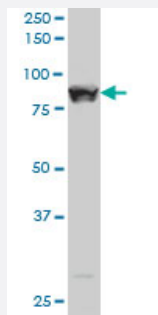


# STAT5B monoclonal antibody (M05), clone 1F5

Catalog # H00006777-M05

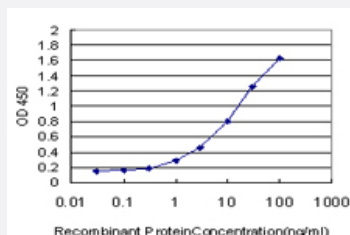
Size 100 ug

## Applications



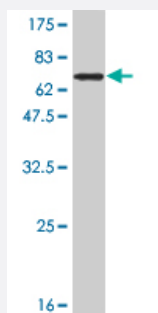
### Western Blot (Cell lysate)

STAT5B monoclonal antibody (M05), clone 1F5 Western Blot analysis of STAT5B expression in K-562 ( Cat # L009V1 ).



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT5B is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (68.42 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a full length recombinant STAT5B.

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>               | STAT5B (AAH20868, 1 a.a. ~ 390 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                                                                                                                                                                |
| <b>Sequence</b>                | MAVWIAQQLQGEALHQMQUALYGQHFPIEVRHYLSQWIESQAWDSVDLDNPQENIKATQLLEGL<br>VQELQKKAHQVGEDGFLKIKLGHYATQLQNTYDRCPMELVRCIRHILYNEQRLVREANNNGSSPA<br>GSLADAMSQKHLQINQTFEELRLVTQDTENELKKLQQTQEYFIQYQESLRQAQFGPLAQLSPQER<br>LSRETALQQKQVSLEAWLQREAQTLQQYRVELAEKHQKTLQLLRKQQTIIIDDELIQWKRRQQLA<br>GNGGPPEGSLDVLQSWCEKLAEIWQNRQQIRRAEHLCCQLPIPGPVEEMLAEVNATITDIISALVT<br>STFIEKQPPQVLKTQTKFAATVRLLVGGKLNVMNPPQVKATIIEQQAKSLLKNENTRK |
| <b>Host</b>                    | Mouse                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reactivity</b>              | Human                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Isotype</b>                 | IgG1 Kappa                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Quality Control Testing</b> | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (68.42 KDa) .                                                                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>          | In 1x PBS, pH 7.4                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Instruction</b>     | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                            |

## Applications

- Western Blot (Cell lysate)

STAT5B monoclonal antibody (M05), clone 1F5 Western Blot analysis of STAT5B expression in K-562 ( Cat # L009V1 ).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT5B is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — STAT5B

Entrez GeneID

[6777](#)

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GeneBank Accession# | <a href="#">BC020868</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Protein Accession#  | <a href="#">AAH20868</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Name           | STAT5B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Alias          | STAT5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Gene Description    | signal transducer and activator of transcription 5B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Omim ID             | <a href="#">245590 604260</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Summary        | <p>The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein mediates the signal transduction triggered by various cell ligands, such as IL2, IL4, CSF1, and different growth hormones. It has been shown to be involved in diverse biological processes, such as TCR signaling, apoptosis, adult mammary gland development, and sexual dimorphism of liver gene expression. This gene was found to fuse to retinoic acid receptor-alpha (RARA) gene in a small subset of acute promyelocytic leukemias (APLL). The dysregulation of the signaling pathways mediated by this protein may be the cause of the APLL. [provided by RefSeq]</p> |
| Other Designations  | transcription factor STAT5B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Pathway

- [Acute myeloid leukemia](#)
- [Chemokine signaling pathway](#)
- [Chronic myeloid leukemia](#)
- [ErbB signaling pathway](#)
- [Jak-STAT signaling pathway](#)
- [Pathways in cancer](#)

## Disease

- [Birth Weight](#)
- [Breast cancer](#)

- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Tooth Abnormalities](#)