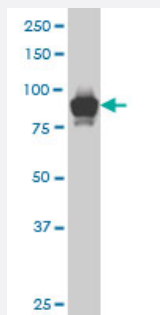


STAT5B monoclonal antibody (M04), clone 1C2

Catalog # H00006777-M04

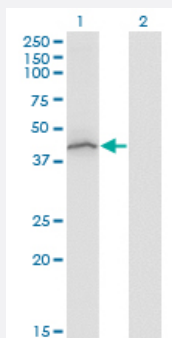
Size 100 ug

Applications



Western Blot (Cell lysate)

STAT5B monoclonal antibody (M04), clone 1C2 Western Blot analysis of STAT5B expression in K-562 (Cat # L009V1).

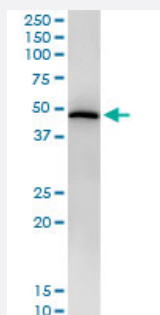


Western Blot (Transfected lysate)

Western Blot analysis of STAT5B expression in transfected 293T cell line by STAT5B monoclonal antibody (M04), clone 1C2.

Lane 1: STAT5B transfected lysate (Predicted MW: 44.9 KDa).

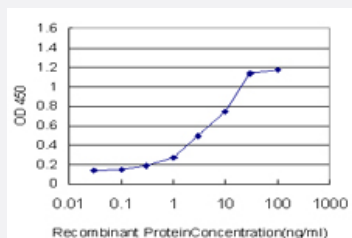
Lane 2: Non-transfected lysate.



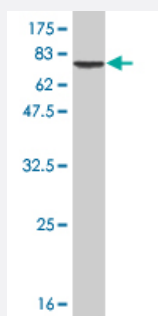
Immunoprecipitation

Immunoprecipitation of STAT5B transfected lysate using anti-STAT5B monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with STAT5B monoclonal antibody.

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged STAT5B is approximately 0.03ng/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.
Immunogen	STAT5B (AAH20868, 1 a.a. ~ 390 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAVWIAQQQLQGEALHQMQUALYGQHFPIEVRHYLSQWIESQAWDSVDLDNPQENIKATQLLEGL VQELQKKAHQVGEDGFLLIKILGHYATQLQNTYDRCPMELVRCIRHILYNEQRLVREANNNGSSPA GSLADAMSQKHLQINQTFEELRLVTQDTENELKKLQQTQEYFIQYQESLRQAQFGPLAQLSPQER LSRETALQQKQVSLEAWLQREAQTLQQYRVELAEKHQKTLQLLRKQQTIILDDELIQWKRRQQLA GNGGPPEGSLDVLQSWCEKLAEIWQNRQQIRRAEHLCCQLPIPGPVEEMLAEVNATITDIISALVT STFIIKQPPQVLKTQTKFAATVRLLVGGKLVHNMNPPQVKATIIEQQAKSLLKNENTRK
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (68.42 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

STAT5B monoclonal antibody (M04), clone 1C2 Western Blot analysis of STAT5B expression in K-562 (Cat # L009V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of STAT5B expression in transfected 293T cell line by STAT5B monoclonal antibody (M04), clone 1C2.

Lane 1: STAT5B transfected lysate (Predicted MW: 44.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of STAT5B transfected lysate using anti-STAT5B monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with STAT5B monoclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged STAT5B is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — STAT5B

Entrez GeneID	6777
GeneBank Accession#	BC020868
Protein Accession#	AAH20868
Gene Name	STAT5B
Gene Alias	STAT5

Gene Description	signal transducer and activator of transcription 5B
Omim ID	245590 604260
Gene Ontology	Hyperlink
Gene Summary	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]
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](#)