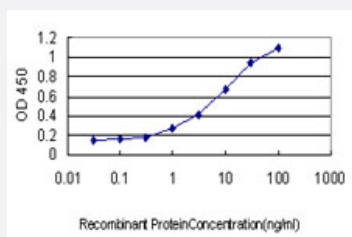


# HOXB1 monoclonal antibody (M05), clone 1B5

Catalog # H00003211-M05

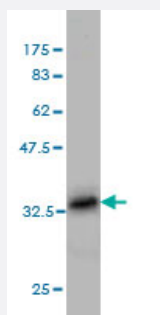
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXB1 is approximately 0.3ng/ml as a capture antibody.



Western Blot detection against Immunogen (33.88 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a partial recombinant HOXB1.

### Immunogen

HOXB1 (NP\_002135, 1 a.a. ~ 74 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

### Sequence

MDYNRMNSFLEYPLCNRGPSAYSASHSAPTSFPPSSAQAVDSYASEGRYGGGLSSPAFQQNSGY  
PAQQPPSTLGV

### Host

Mouse

### Reactivity

Human

|                               |  |
|-------------------------------|--|
| Interspecies Antigen Sequence | Mouse (82); Rat (85)   |
| Isotype                       | IgG1 Kappa   |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (33.88 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXB1 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — HOXB1

|                     |   |
|---------------------|---|
| Entrez GeneID       | <a href="#">3211</a>                                  |
| GeneBank Accession# | <a href="#">NM_002144</a>                             |
| Protein Accession#  | <a href="#">NP_002135</a>                             |
| Gene Name           | HOXB1   |
| Gene Alias          | HOX2, HOX2I, Hox-2.9, MGC116843, MGC116844, MGC116845 |
| Gene Description    | homeobox B1   |
| Omim ID             | <a href="#">142968</a>                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                             |

**Gene Summary**

This gene belongs to the homeobox family of genes. The homeobox genes encode a highly conserved family of transcription factors that play an important role in morphogenesis in all multicellular organisms. Mammals possess four similar homeobox gene clusters, HOXA, HOXB, HOXC and HOXD, located on different chromosomes, consisting of 9 to 11 genes arranged in tandem. This gene is one of several homeobox HOXB genes located in a cluster on chromosome 17. [provided by RefSeq]

**Other Designations**

homeobox 2||homeobox B1||homeobox protein Hox-B1