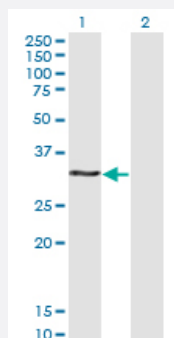


# HOXB9 monoclonal antibody (M05), clone 4C11

Catalog # H00003219-M05

Size 100 ug

## Applications

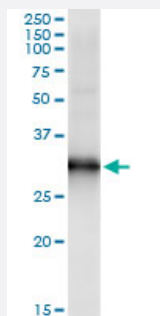


### Western Blot (Transfected lysate)

Western Blot analysis of HOXB9 expression in transfected 293T cell line by HOXB9 monoclonal antibody (M05), clone 4C11.

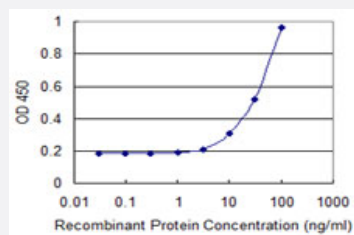
Lane 1: HOXB9 transfected lysate(28.1 KDa).

Lane 2: Non-transfected lysate.



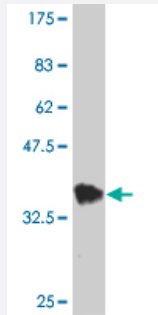
### Immunoprecipitation

Immunoprecipitation of HOXB9 transfected lysate using anti-HOXB9 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with HOXB9 MaxPab rabbit polyclonal antibody.



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXB9 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.52 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full-length recombinant HOXB9.
<b>Immunogen</b>	HOXB9 (NP_076922.1, 65 a.a. ~ 163 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	PLSPHASGSLPSVYHPYIQPQGVPPAESRYLRTWLEPAPRGEAAPGQGQAAVKAEPLLGA PGLKQGTPEYSLETSAGREAVLSNQRPGYGDNKICEG
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgG2a Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 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 (Transfected lysate)

Western Blot analysis of HOXB9 expression in transfected 293T cell line by HOXB9 monoclonal antibody (M05), clone 4C11.

Lane 1: HOXB9 transfected lysate(28.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of HOXB9 transfected lysate using anti-HOXB9 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with HOXB9 MaxPab rabbit polyclonal antibody.

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXB9 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — HOXB9

Entrez GeneID [3219](#)

GeneBank Accession# [NM\\_024017](#)

Protein Accession# [NP\\_076922.1](#)

Gene Name HOXB9

Gene Alias HOX-2.5, HOX2, HOX2E

Gene Description homeobox B9

Omim ID [142964](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** This gene is a member of the Abd-B homeobox family and encodes a protein with a homeobox DNA-binding domain. It is included in a cluster of homeobox B genes located on chromosome 17. The encoded nuclear protein functions as a sequence-specific transcription factor that is involved in cell proliferation and differentiation. Increased expression of this gene is associated with some cases of leukemia, prostate cancer and lung cancer. [provided by RefSeq]

**Other Designations** homeo box 2E|homeo box B9

## Publication Reference

- [A miR-192-EGR1-HOXB9 regulatory network controls the angiogenic switch in cancer.](#)

Wu SY, Rupaimoole R, Shen F, Pradeep S, Pecot CV, Ivan C, Nagaraja AS, Gharpure KM, Pham E, Hatakeyama H, McGuire MH, Haemmerle M, Vidal-Anaya V, Olsen C, Rodriguez-Aguayo C, Filant J, Ehsanipour EA, Herbrich SM, Maiti SN, Huang L, Kim JH, Zhang X, Han HD, Armaiz-Pena GN, Seviour EG, Tucker S, Zhang M, Yang D, Cooper LJ, Ali-Fehmi R, Bar-Eli M, Lee JS, Ram PT, Baggerly KA, Lopez-Berestein G, Hung MC, Sood AK.

Nature Communications 2016 Apr; 7:11169.

Application: ChIP, Human, HeyA8 cells

## Disease

- [Genetic Predisposition to Disease](#)
- [Hip Dislocation](#)