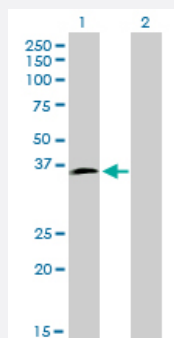


HOXD8 monoclonal antibody (M01), clone 10F8

Catalog # H00003234-M01

Size 100 ug

Applications

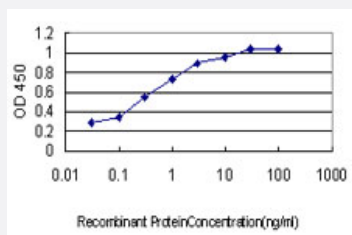


Western Blot (Transfected lysate)

Western Blot analysis of HOXD8 expression in transfected 293T cell line by HOXD8 monoclonal antibody (M01), clone 10F8.

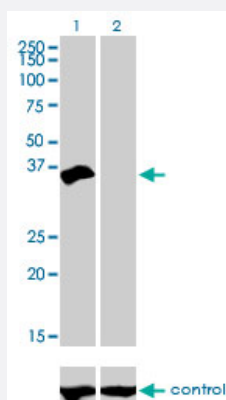
Lane 1: HOXD8 transfected lysate(31.8 KDa).

Lane 2: Non-transfected lysate.



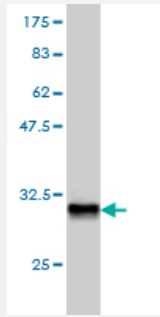
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXD8 is approximately 0.03ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of HOXD8 over-expressed 293 cell line, cotransfected with HOXD8 Validated Chimera RNAi (Cat # H00003234-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HOXD8 monoclonal antibody (M01), clone 10F8 (Cat # H00003234-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (32.89 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HOXD8.
Immunogen	HOXD8 (NP_062458, 126 a.a. ~ 190 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GIACHGEPAKFYGYDNLQRQPIFTTQQEAEVLQYPDCKSSSGNIGEDPDHLNQSSSPSQMFPMWR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (100)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.89 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 (Transfected lysate)

Western Blot analysis of HOXD8 expression in transfected 293T cell line by HOXD8 monoclonal antibody (M01), clone 10F8.

Lane 1: HOXD8 transfected lysate(31.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXD8 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of HOXD8 over-expressed 293 cell line, cotransfected with HOXD8 Validated Chimera RNAi (Cat # H00003234-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with HOXD8 monoclonal antibody (M01), clone 10F8 (Cat # H00003234-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — HOXD8

Entrez GeneID [3234](#)

GeneBank Accession# [NM_019558](#)

Protein Accession# [NP_062458](#)

Gene Name HOXD8

Gene Alias HOX4, HOX4E, HOX5.4

Gene Description homeobox D8

Omim ID [142985](#)

Gene Ontology [Hyperlink](#)

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 HOXD genes located in a cluster on chromosome 2. Deletions that remove the entire HOXD gene cluster or the 5' end of this cluster have been associated with severe limb and genital abnormalities. In addition to effects during embryogenesis, this particular gene may also play a role in adult urogenital tract function. [provided by RefSeq]

Other Designations Hox-4.5, mouse, homolog of homeobox 4E/homeobox D8/homeobox protein 5.4

Disease

- [Clubfoot](#)