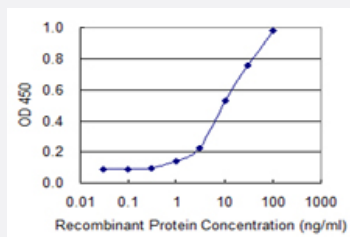


HOXD4 monoclonal antibody (M01), clone 1H7

Catalog # H00003233-M01

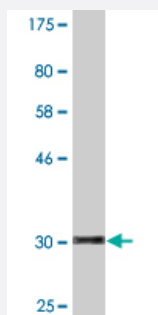
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXD4 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (32.56 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant HOXD4.
Immunogen	HOXD4 (NP_055436.2, 1 a.a. ~ 62 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MVMSSYVMNSKYVDPKFPPCEEYLQGGYLGEQGADYYGGGAQGADFQPPGLYPRPDFGEQPF
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (95)

Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.56 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 HOXD4 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HOXD4

Entrez GeneID	3233
GeneBank Accession#	NM_014621
Protein Accession#	NP_055436.2
Gene Name	HOXD4
Gene Alias	HHO.C13, HOX-5.1, HOX4, HOX4B, Hox-4.2
Gene Description	homeobox D4
Omim ID	142981
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 at 2q31-2q37 chromosome regions. Deletions that removed the entire HOXD gene cluster or 5' end of this cluster have been associated with severe limb and genital abnormalities. The protein encoded by this gene may play a role in determining positional values in developing limb buds. Alternatively spliced variants have been described but their full length nature has not been determined. [provided by RefSeq]

Other Designations

Hox-4.2, mouse, homolog of homeo box X|homeo box D4|homeobox protein Hox-D4

Disease

- [Clubfoot](#)
- [Leukemia](#)