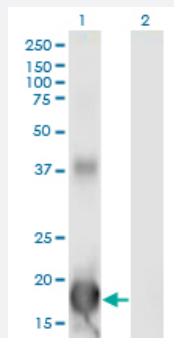


ID4 monoclonal antibody (M13), clone 3F11

Catalog # H00003400-M13

Size 100 ug

Applications

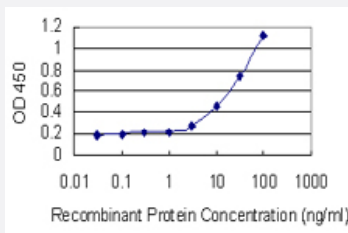


Western Blot (Transfected lysate)

Western Blot analysis of ID4 expression in transfected 293T cell line by ID4 monoclonal antibody (M13), clone 3F11.

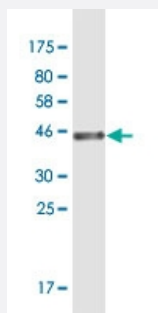
Lane 1: ID4 transfected lysate (Predicted MW: 16.6 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ID4 is 1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (43 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant ID4.

Immunogen	ID4 (NP_001537.1, 1 a.a. ~ 161 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKAVSPVRPSGRKAPSGCGGGELALRCLAEHGHSLGGSAAAAAAAAAARCKAAEAAADEPAL CLQCDMNDCYSRLRRLVPTIPPNNKKVSKVEILQHVITYLDLQLALETHPALLRQPPPPAPPHHPAG TCPAAPPRTPLTALNTDPAGAVNKQGDSILCR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43 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 ID4 expression in transfected 293T cell line by ID4 monoclonal antibody (M13), clone 3F11.

Lane 1: ID4 transfected lysate (Predicted MW: 16.6 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ID4 is 1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — ID4

Entrez GeneID	3400
GeneBank Accession#	NM_001546.2
Protein Accession#	NP_001537.1
Gene Name	ID4
Gene Alias	IDB4, bHLHb27
Gene Description	inhibitor of DNA binding 4, dominant negative helix-loop-helix protein
Omim ID	600581
Gene Ontology	Hyperlink
Gene Summary	Transcription factors containing a basic helix-loop-helix (bHLH) motif regulate expression of tissue-specific genes in a number of mammalian and insect systems. DNA-binding activity of the bHLH proteins is dependent on formation of homo- and/or heterodimers. Dominant-negative HLH proteins encoded by Id-related genes, such as ID4, also contain the HLH-dimerization domain but lack the DNA-binding basic domain. Consequently, Id proteins inhibit binding to DNA and transcriptional transactivation by heterodimerization with bHLH proteins (Pagliuca et al., 1995 [PubMed 7665172]).[supplied by OMIM]
Other Designations	OTTHUMP00000016081

Pathway

- [TGF-beta signaling pathway](#)