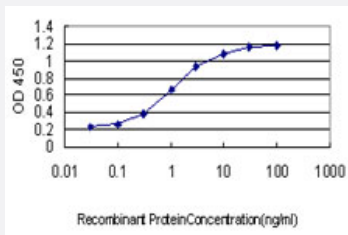


ID3 monoclonal antibody (M01), clone 4G1

Catalog # H00003399-M01

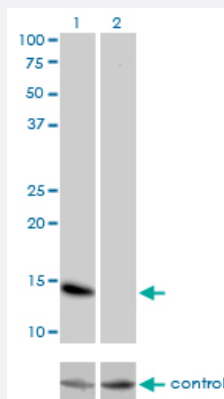
Size 100 ug

Applications



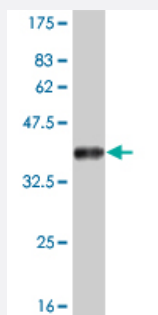
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ID3 is approximately 0.03ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of ID3 over-expressed 293 cell line, cotransfected with ID3 Validated Chimera RNAi (Cat # H00003399-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ID3 monoclonal antibody (M01), clone 4G1 (Cat # H00003399-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (34.87 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant ID3.

Immunogen	ID3 (NP_002158, 1 a.a. ~ 83 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MKALSPVRGCYEAVCCLSERSLAIARGRGKGPAAEPLSLDDMNHCSRLRELVPGVPRGTQL SQVEILQRVIDYILDQLQVV
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96); Rat (98)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (34.87 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 ID3 is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of ID3 over-expressed 293 cell line, cotransfected with ID3 Validated Chimera RNAi (Cat # H00003399-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with ID3 monoclonal antibody (M01), clone 4G1 (Cat # H00003399-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

Gene Info — ID3

Entrez GeneID

[3399](#)

GeneBank Accession#	NM_002167
Protein Accession#	NP_002158
Gene Name	ID3
Gene Alias	HEIR-1, bHLHb25
Gene Description	inhibitor of DNA binding 3, dominant negative helix-loop-helix protein
Omim ID	600277
Gene Ontology	Hyperlink
Gene Summary	Members of the ID family of helix-loop-helix (HLH) proteins lack a basic DNA-binding domain and inhibit transcription through formation of nonfunctional dimers that are incapable of binding to DNA.[supplied by OMIM]
Other Designations	OTTHUMP00000003263 inhibitor of DNA binding 3

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Carotid Artery Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Genetic Predisposition to Disease](#)
- [Kidney Failure](#)
- [Male Urogenital Diseases](#)
- [Neoplasm Invasiveness](#)
- [Prostate cancer](#)

- [Prostatic Neoplasms](#)