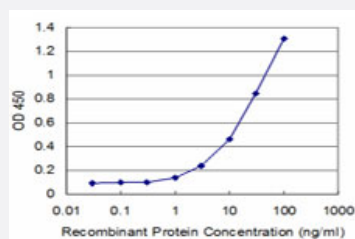


# ID1 monoclonal antibody (M14), clone 3F3

Catalog # H00003397-M14

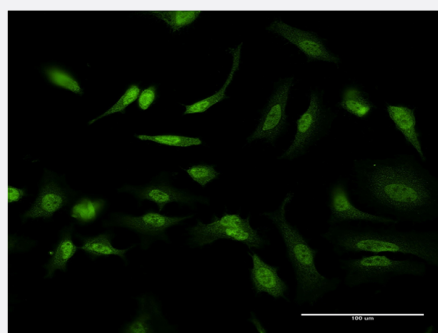
Size 100 ug

## Applications



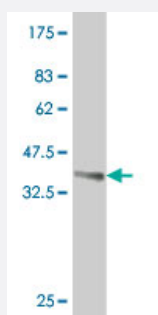
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ID1 is approximately 1ng/ml as a capture antibody.



### Immunofluorescence

Immunofluorescence of monoclonal antibody to ID1 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (38.1 KDa) .

## Specification

### Product Description

Mouse monoclonal antibody raised against a full length recombinant ID1.

Immunogen	ID1 (NP_002156, 47 a.a. ~ 155 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GGAGARLPALLDEQQVNVLLYDMNGCYSRLKELVPTLPQNRKVSKEILQHVIDYRDLQLELNSE SEVGTPGGRGLPVRAPLSTLNGEISALTAEACVPADDRILCR*
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (38.1 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 ID1 is approximately 1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ID1 on HeLa cell . [antibody concentration 10 ug/ml]

## Gene Info — ID1

Entrez GeneID	<a href="#">3397</a>
GeneBank Accession#	<a href="#">NM_002165</a>
Protein Accession#	<a href="#">NP_002156</a>
Gene Name	ID1

Gene Alias	ID, bHLHb24
Gene Description	inhibitor of DNA binding 1, dominant negative helix-loop-helix protein
Omim ID	<a href="#">600349</a>
Gene Ontology	<a href="#">Hyperlink</a>
Gene Summary	<p>The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [ provided by RefSeq</p>
Other Designations	DNA-binding protein inhibitor ID-1 OTTHUMP00000030534 OTTHUMP00000030535 dJ857M17.1.2 (inhibitor of DNA binding 1, dominant negative helix-loop-helix protein) inhibitor of DNA binding 1 inhibitor of differentiation 1

## Pathway

- [TGF-beta signaling pathway](#)