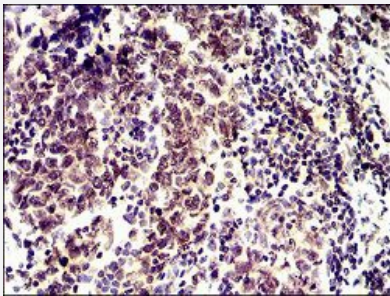


ID2 monoclonal antibody, clone 4E12G5

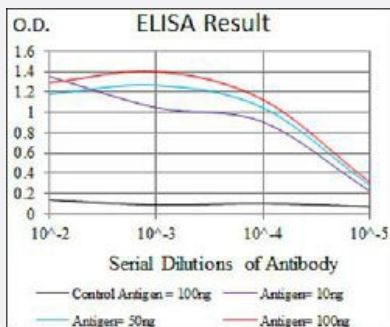
Catalog # MAB17798 Size 100 ug

Applications



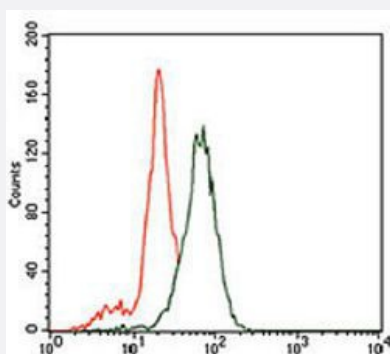
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of paraffin-embedded breast cancer tissue with ID2 monoclonal antibody.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of ID2 monoclonal antibody, clone 4E12G5.



Flow Cytometry

Flow cytometric analysis of SK-N-SH cells with ID2 monoclonal antibody (green) and negative control (red).

Specification

Product Description

Mouse monoclonal antibody raised against recombinant human ID2.

Immunogen	Recombinant protein corresponding to amino acids 1-134 of human ID2 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	15
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunocytochemistry Immunohistochemistry (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)
Immunohistochemical staining of paraffin-embedded breast cancer tissue with ID2 monoclonal antibody.
- Enzyme-linked Immunoabsorbent Assay
ELISA analysis of ID2 monoclonal antibody, clone 4E12G5.
- Flow Cytometry
Flow cytometric analysis of SK-N-SH cells with ID2 monoclonal antibody (green) and negative control (red).

Gene Info — ID2

Entrez GeneID	3398
Gene Name	ID2
Gene Alias	GIG8, ID2A, ID2H, MGC26389, bHLHb26

Gene Description	inhibitor of DNA binding 2, dominant negative helix-loop-helix protein
Omim ID	600386
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the inhibitor of DNA binding (ID) family, members of which are transcriptional regulators that contain a helix-loop-helix (HLH) domain but not a basic domain. Members of the ID family inhibit the functions of basic helix-loop-helix transcription factors in a dominant-negative manner by suppressing their heterodimerization partners through the HLH domains. This protein may play a role in negatively regulating cell differentiation. A pseudogene has been identified for this gene. [provided by RefSeq]
Other Designations	DNA-binding protein inhibitor ID2 OTTHUMP00000140258 cell growth-inhibiting gene 8 helix-loop-helix protein ID2 inhibitor of DNA binding 2 inhibitor of differentiation 2

Pathway

- [TGF-beta signaling pathway](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian Neoplasms](#)