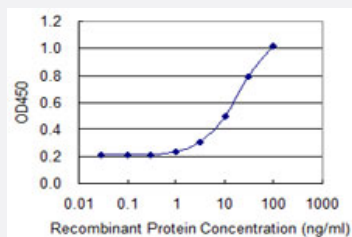


HOXA1 monoclonal antibody (M01), clone 1E10

Catalog # H00003198-M01

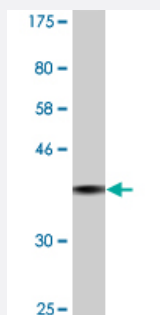
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged HOXA1 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (37.73 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant HOXA1.

Immunogen

HOXA1 (NP_005513.1, 11 a.a. ~ 119 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

EYPILSSGDSGTCSARAYPSDHRITTFQSCAVSANSCGGDDRFLVGRGVQIGSPHHHHHHHHHP
QPATYQTSGNLGVSYSHSSCGPSYGSQNFSAPYSPYALNQEADV

Host

Mouse

Reactivity

Human

Isotype

IgG3 Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.
Western Blot detection against Immunogen (37.73 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 HOXA1 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — HOXA1

Entrez GeneID

[3198](#)

GeneBank Accession#

[NM_005522](#)

Protein Accession#

[NP_005513.1](#)

Gene Name

HOXA1

Gene Alias

BSAS, HOX1, HOX1F, MGC45232

Gene Description

homeobox A1

Omim ID

[142955 601536](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

In vertebrates, the genes encoding the class of transcription factors called homeobox genes are found in clusters named A, B, C, and D on four separate chromosomes. Expression of these proteins is spatially and temporally regulated during embryonic development. This gene is part of the A cluster on chromosome 7 and encodes a DNA-binding transcription factor which may regulate gene expression, morphogenesis, and differentiation. The encoded protein may be involved in the placement of hindbrain segments in the proper location along the anterior-posterior axis during development. Two transcript variants encoding two different isoforms have been found for this gene, with only one of the isoforms containing the homeodomain region. [provided by RefSeq]

Other Designations

HOX A1 homeodomain protein|Hox 1.6-like protein|homeo box A1|homeobox 1F|homeobox protein HOX-A1|lab-like protein

Disease

- [Asperger Syndrome](#)
- [Autistic Disorder](#)
- [Child Development Disorders](#)
- [Fragile X syndrome](#)
- [Functional Laterality](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Schizophrenia](#)
- [Social Perception](#)