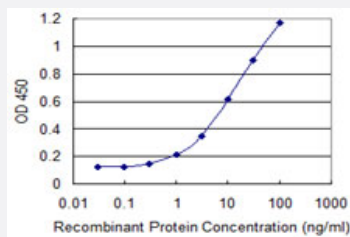


SDS monoclonal antibody (M03), clone 1A9

Catalog # H00010993-M03

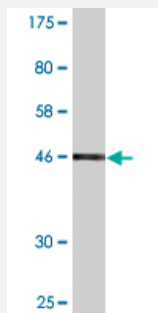
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged SDS is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (49.72 KDa) .

Specification

Product Description

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

Immunogen

SDS (AAH20750, 1 a.a. ~ 218 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MMSGELPHVKTPIRDSMALSKMAGTSVYLKMDSAQPSGSFKIRGIGHFCKRWAKQGCAHFVCSS
AGNAGMAAAYAARQLGVPATVVPSTTPALTIERLKNEGATVKVVGELLDEAFELAKALAKNNPG
WVYIPPFDDPLWEGHASVKELKETLWEKPGAIALSVGGGGLLCGVVQGLQEVGWGDVPVIAME
TFGAHSFHAATTAGKLVSLPKITR

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (83); Rat (84)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (49.72 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 SDS is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SDS

Entrez GeneID	10993
GeneBank Accession#	BC020750
Protein Accession#	AAH20750
Gene Name	SDS
Gene Alias	SDH
Gene Description	serine dehydratase
Omim ID	182128
Gene Ontology	Hyperlink

Gene Summary

This gene encodes one of three enzymes that are involved in metabolizing serine and glycine. L-serine dehydratase converts L-serine to pyruvate and ammonia and requires pyridoxal phosphate as a cofactor. The encoded protein can also metabolize threonine to NH_4^+ and 2-ketobutyrate. The encoded protein is found predominantly in the liver. [provided by RefSeq]

Other Designations

L-serine ammonia-lyase|L-serine deaminase|L-serine dehydratase

Pathway

- [Cysteine and methionine metabolism](#)
- [Glycine](#)
- [Metabolic pathways](#)

Disease

- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)