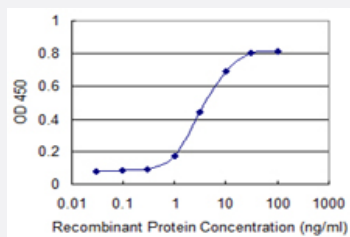


SRGN monoclonal antibody (M03), clone 1D8

Catalog # H00005552-M03

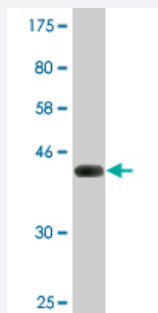
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

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



Western Blot detection against Immunogen (43.12 KDa) .

Specification

Product Description

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

Immunogen

SRGN (AAH15516, 1 a.a. ~ 158 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MMQKLLKCSRLVLALALILVLESSVQGYPTQRARYQWVRCNPDSNSANCLEEKGPMFELLPGES
NKIPRLRTDLFPKTRIQDLNRIFPLSEDYSGSGFGSGSGSGSGSGSGFLTEMEQDYQLVDESDAF
HDNLRSLDRNLPDSQDLGQHGLEEDFML

Host

Mouse

Reactivity

Human

Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (43.12 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 SRGN is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — SRGN

Entrez GeneID	5552
GeneBank Accession#	BC015516
Protein Accession#	AAH15516
Gene Name	SRGN
Gene Alias	FLJ12930, MGC9289, PPG, PRG, PRG1
Gene Description	serglycin
Omim ID	177040
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein best known as a hematopoietic cell granule proteoglycan. Proteoglycans stored in the secretory granules of many hematopoietic cells also contain a protease-resistant peptide core, which may be important for neutralizing hydrolytic enzymes. This encoded protein was found to be associated with the macromolecular complex of granzymes and perforin, which may serve as a mediator of granule-mediated apoptosis. [provided by RefSeq]

Other Designations

OTTHUMP00000019716|hematopoietic proteoglycan core peptide|platelet proteoglycan protein core|proteoglycan 1, secretory granule|proteoglycan protein core for mast cell secretory granule|secretory granule proteoglycan 1|secretory granule proteoglycan core p

Publication Reference

- [Serglycin secretion is part of the inflammatory response in activated primary human endothelial cells in vitro.](#)

Reine TM, Vuong TT, Jenssen TG, Kolset SO.

Biochimica et Biophysica Acta 2014 Aug; 1840(8):2498.

Application: IP, Human, HUVECs

- [Changes in glycosaminoglycan structure on differentiation of human embryonic stem cells towards mesoderm and endoderm lineages.](#)

Gasimli L, Hickey AM, Yang B, Li G, dela Rosa M, Nairn AV, Kulik MJ, Dordick JS, Moremen KW, Dalton S, Linhardt RJ.

Biochimica et Biophysica Acta 2014 Jun; 1840(6):1993.

Application: WB, Human, hESC H9 cells

- [Serglycin is a theranostic target in nasopharyngeal carcinoma that promotes metastasis.](#)

Li XJ, Ong CK, Cao Y, Xiang Y, Shao JY, Ooi A, Peng LX, Lu WH, Zhang Z, Petillo D, Qin L, Bao YN, Zheng FJ, Chia CS, Iyer NG, Kang TB, Zeng YX, Soo KC, Trent JM, Teh BT, Qian CN.

Cancer Research 2011 Apr; 71(8):3162.

Application: IHC, WB, Human, NPC tissue, CNE-2, S26, S18 cells