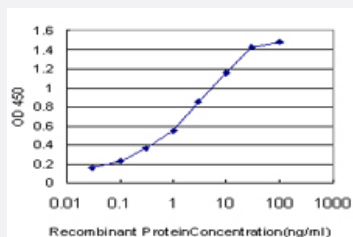


AGC1 monoclonal antibody (M01), clone 2A8

Catalog # H00000176-M01

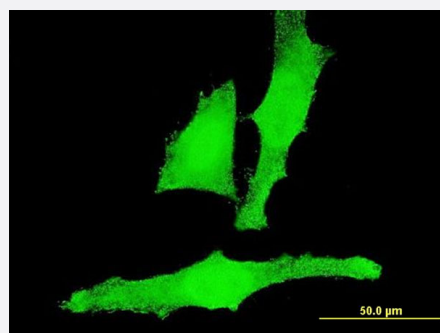
Size 100 ug

Applications



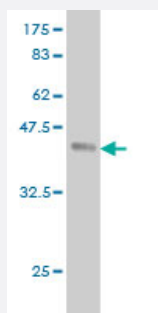
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged AGC1 is approximately 0.1ng/ml as a capture antibody.



Immunofluorescence

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



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant AGC1.

Immunogen	AGC1 (NP_037359, 56 a.a. ~ 155 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PMHPVTTAPSTAPLAPRIKWSRVSKEKEVVLLVATEGRVRVNSAYQDKVSLPNYPAPSDATLEV QSLRSDSGVYRCEVMHGIEDSEATLEVVKGMF
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 AGC1 is approximately 0.1ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — ACAN

Entrez GeneID	176
GeneBank Accession#	NM_013227
Protein Accession#	NP_037359
Gene Name	ACAN

Gene Alias	AGC1, AGCAN, CSPG1, CSPGCP, MSK16, SEDK
Gene Description	aggrecan
Omim ID	155760 608361
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the aggrecan/versican proteoglycan family. The encoded protein is an integral part of the extracellular matrix in cartilagenous tissue and it withstands compression in cartilage. Mutations in this gene may be involved in skeletal dysplasia and spinal degeneration. Multiple alternatively spliced transcript variants that encode different protein isoforms have been observed in this gene. [provided by RefSeq]
Other Designations	aggrecan 1 (chondroitin sulfate proteoglycan 1, large aggregating proteoglycan, antigen identified by monoclonal antibody A0122) aggrecan proteoglycan cartilage-specific proteoglycan core protein chondroitin sulfate proteoglycan 1 large aggregating proteo

Disease

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