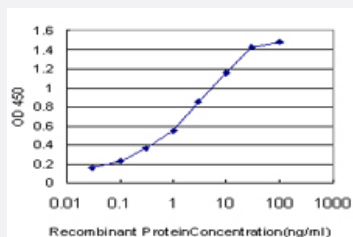


# AGC1 monoclonal antibody (M01), clone 2A8

Catalog # H00000176-M01

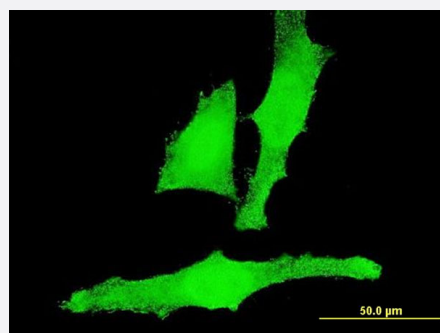
Size 100 ug

## Applications



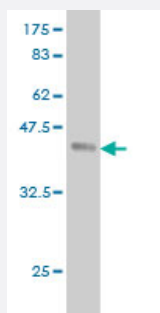
### Sandwich ELISA (Recombinant protein)

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<br>QSLRSDSGVYRCEVMHGIEDSEATLEVVKGMF             |
| Host                    | Mouse                                                                                                            |
| Reactivity              | Human                                                                                                            |
| Isotype                 | IgG1 Kappa                                                                                                       |
| Quality Control Testing | Antibody Reactive Against Recombinant Protein.<br>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       | <a href="#">176</a>       |
| GeneBank Accession# | <a href="#">NM_013227</a> |
| Protein Accession#  | <a href="#">NP_037359</a> |
| Gene Name           | ACAN                      |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Alias         | AGC1, AGCAN, CSPG1, CSPGCP, MSK16, SEDK                                                                                                                                                                                                                                                                                                                                                                                                           |
| Gene Description   | aggrecan                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Omim ID            | <a href="#">155760 608361</a>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 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

- [Alzheimer disease](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Growth Disorders](#)
- [Intervertebral Disk Degeneration](#)
- [Intervertebral Disk Displacement](#)
- [Low Back Pain](#)
- [Occupational Diseases](#)
- [Paraparesis](#)
- [Scoliosis](#)
- [Tobacco Use Disorder](#)