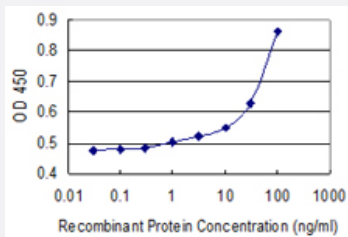


A2M monoclonal antibody (M03), clone 2B5

Catalog # H00000002-M03

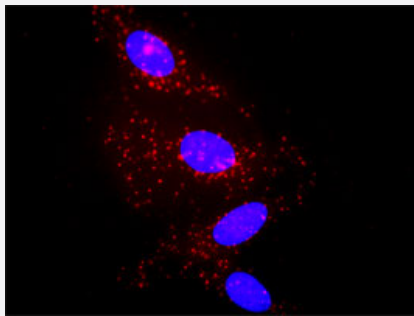
Size 100 ug

Applications



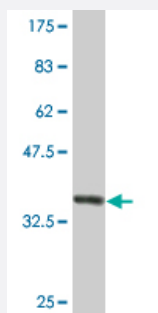
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged A2M is 3 ng/ml as a capture antibody.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between IL1B and A2M. HeLa cells were stained with anti-IL1B rabbit purified polyclonal 1:1200 and anti-A2M mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Western Blot detection against Immunogen (35.64 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant A2M.

Immunogen	A2M (NP_000005.2, 641 a.a. ~ 730 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	DCINRHNVIYINGITYTPVSSSTNEKDMYSFLEDMGLKAFSTNSKIRKPKMCPQLQQYEMHGPEGLRVGFYESDVMGRGHARLVHVEEPHTET
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (62); Rat (63)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 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 A2M is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- In situ* Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between IL1B and A2M. HeLa cells were stained with anti-IL1B rabbit purified polyclonal 1:1200 and anti-A2M mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).

Gene Info — A2M

Entrez GeneID

[2](#)

GeneBank Accession#	NM_000014
Protein Accession#	NP_000005.2
Gene Name	A2M
Gene Alias	CPAMD5, DKFZp779B086, FWP007, S863-7
Gene Description	alpha-2-macroglobulin
Omim ID	103950 104300
Gene Ontology	Hyperlink
Gene Summary	Alpha-2-macroglobulin is a protease inhibitor and cytokine transporter. It inhibits many proteases, including trypsin, thrombin and collagenase. A2M is implicated in Alzheimer disease (AD) due to its ability to mediate the clearance and degradation of A-beta, the major component of beta-amyloid deposits. [provided by RefSeq]
Other Designations	-

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Alzheimer disease](#)
- [Amyloidosis](#)
- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Diseases in Twins](#)

- [Edema](#)
- [Essential tremor](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis C](#)
- [Kidney Failure](#)
- [Liver Cirrhosis](#)
- [Macular Degeneration](#)
- [Memory Disorders](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Parkinson disease](#)