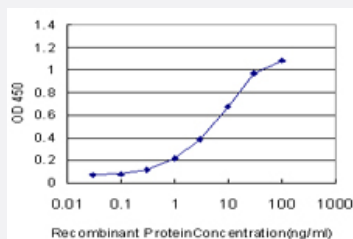


CD38 monoclonal antibody (M02), clone 4G3

Catalog # H00000952-M02

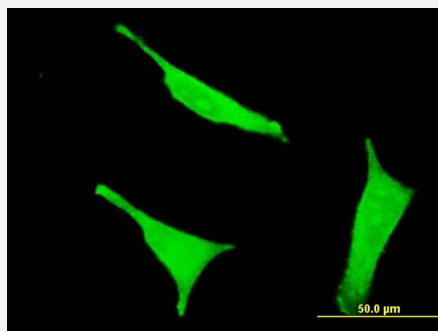
Size 100 ug

Applications



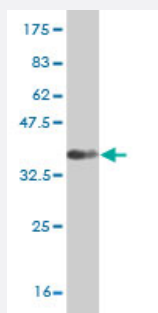
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged CD38 is approximately 0.3ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to CD38 on HeLa cell . [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant CD38.

Immunogen	CD38 (AAH07964, 201 a.a. ~ 300 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CDVVHVMLNGSRKIFDKNSTFGSVEVHNLQPEKVQTLCAWVIHGGREDSDRLCQDPTIKELESII SKRNIQFSCKNYRPDKFLQCVKNPEDSSCTSEI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (55); Rat (59)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 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 CD38 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to CD38 on HeLa cell . [antibody concentration 10 ug/ml]

Gene Info — CD38

Entrez GeneID [952](#)

GeneBank Accession# [BC007964](#)

Protein Accession#	AAH07964
Gene Name	CD38
Gene Alias	T10
Gene Description	CD38 molecule
Omim ID	107270
Gene Ontology	Hyperlink
Gene Summary	CD38 is a novel multifunctional ectoenzyme widely expressed in cells and tissues especially in leukocytes. CD38 also functions in cell adhesion, signal transduction and calcium signaling. [provided by RefSeq]
Other Designations	ADP-ribosyl cyclase/cyclic ADP-ribose hydrolase CD38 antigen CD38 antigen (p45) cyclic ADP-ribose hydrolase

Pathway

- [Calcium signaling pathway](#)
- [Hematopoietic cell lineage](#)
- [Metabolic pathways](#)
- [Nicotinate and nicotinamide metabolism](#)

Disease

- [Cell Transformation](#)
- [Child Development Disorders](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Osteoporosis](#)