

GCM1 Antibody (monoclonal) (M04)**Mouse monoclonal antibody raised against a partial recombinant GCM1.****Catalog # AT2179a****Specification**

GCM1 Antibody (monoclonal) (M04) - Product Information

Application	WB, IF, E
Primary Accession	Q9NP62
Other Accession	NM_003643
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	49268

GCM1 Antibody (monoclonal) (M04) - Additional Information**Gene ID** 8521**Other Names**

Chorion-specific transcription factor GCMA, hGCMA, GCM motif protein 1, Glial cells missing homolog 1, GCM1, GCMA

Target/Specificity

GCM1 (NP_003634, 108 a.a. ~ 166 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

IF~~1:50~200

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

GCM1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

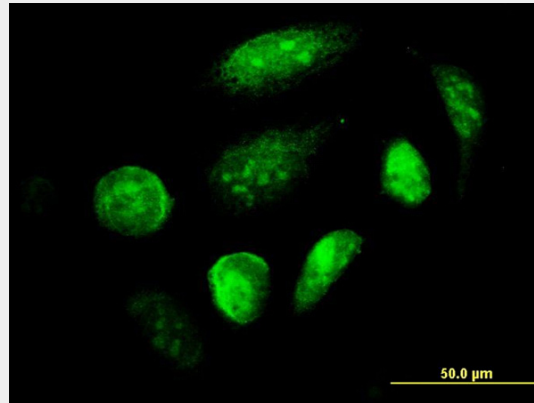
GCM1 Antibody (monoclonal) (M04) - Protocols

Provided below are standard protocols that you may find useful for product applications.

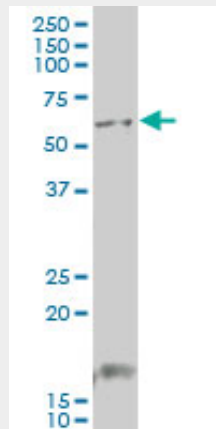
- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

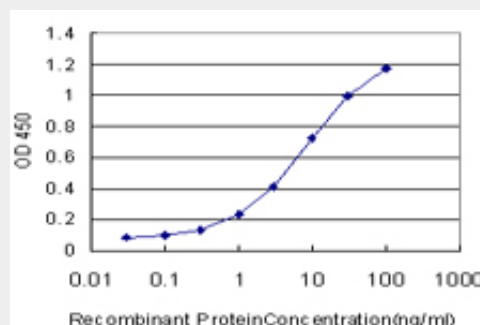
GCM1 Antibody (monoclonal) (M04) - Images



Immunofluorescence of monoclonal antibody to GCM1 on HeLa cell. [antibody concentration 10 ug/ml]



GCM1 monoclonal antibody (M04), clone 4E8. Western Blot analysis of GCM1 expression in FHs 173 WE.



Detection limit for recombinant GST tagged GCM1 is approximately 0.1ng/ml as a capture antibody.

GCM1 Antibody (monoclonal) (M04) - Background

This gene encodes a DNA-binding protein with a gcm-motif (glial cell missing motif). The encoded protein is a homolog of the *Drosophila* glial cells missing gene (*gcm*). This protein binds to the GCM-motif (A/G)CCCGCAT, a novel sequence among known targets of DNA-binding proteins. The N-terminal DNA-binding domain confers the unique DNA-binding activity of this protein.

GCM1 Antibody (monoclonal) (M04) - References

Parallel genotyping of 10,204 single nucleotide polymorphisms to screen for susceptible genes for IgA nephropathy. Woo KT, et al. *Ann Acad Med Singapore*, 2009 Oct. PMID 19890582. Syncytin-1 and glial cells missing a: hypoxia-induced deregulated gene expression along with disordered cell fusion in primary term human trophoblasts. Wich C, et al. *Gynecol Obstet Invest*, 2009. PMID 19321927. Glial cell missing-1 transcription factor is required for the differentiation of the human trophoblast. Baczyk D, et al. *Cell Death Differ*, 2009 May. PMID 19219068. Transcriptomic and genetic studies identify IL-33 as a candidate gene for Alzheimer's disease. Chapuis J, et al. *Mol Psychiatry*, 2009 Nov. PMID 19204726. Ubiquitin-conjugating enzyme UBE2D2 is responsible for FBXW2 (F-box and WD repeat domain containing 2)-mediated human GCM1 (glial cell missing homolog 1) ubiquitination and degradation. Chiang MH, et al. *Biol Reprod*, 2008 Nov. PMID 18703417.