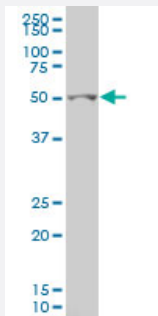


GCM1 monoclonal antibody (M05), clone 2E11

Catalog # H00008521-M05

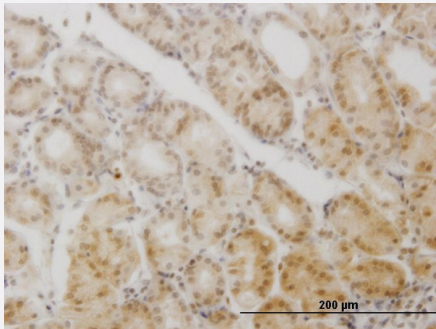
Size 100 ug

Applications



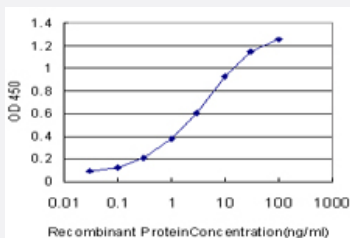
Western Blot (Cell lysate)

GCM1 monoclonal antibody (M05), clone 2E11. Western Blot analysis of GCM1 expression in FHs 173 WE.



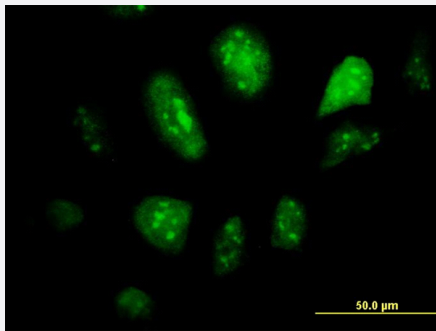
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to GCM1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 1.7 ug/ml]



Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant GCM1.
Immunogen	GCM1 (NP_003634, 108 a.a. ~ 166 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	QQRKRCPNCDGPLKLIPCRGHGGFPVTNFWRHDGRGRIFFQSKGEHDHPKPETKLEAEA*
Host	Mouse
Reactivity	Human
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein.
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 (Cell lysate)

GCM1 monoclonal antibody (M05), clone 2E11. Western Blot analysis of GCM1 expression in FHs 173 WE.

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to GCM1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 1.7 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — GCM1

Entrez GeneID [8521](#)

GeneBank Accession# [NM_003643](#)

Protein Accession# [NP_003634](#)

Gene Name GCM1

Gene Alias GCMA, hGCMA

Gene Description glial cells missing homolog 1 (Drosophila)

Omim ID [603715](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations GCM motif protein 1|OTTHUMP00000016631|chorion-specific transcription factor GCMA|glial cells missing homolog a

Publication Reference

- [NPFF Increases Fusogenic Proteins Syncytin 1 and Syncytin 2 via GCM1 in First Trimester Primary Human Cytotrophoblast Cells.](#)

Hua Zhu, Bo Peng, Christian Klausen, Yuyin Yi, Yan Li, Siyuan Xiong, Peter von Dadelszen, Peter C K Leung.

FASEB Journal 2020 Jul; 34(7):9419.

Application: IHC-P, WB-Ce, WB-Tr, Human, Placenta, Cytotrophoblast cells

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Neuroblastoma](#)