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MFRP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant MFRP.
Catalog # AT2854a

Specification

MFRP Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, E**
Primary Accession	Q9BXJ0
Other Accession	NM_031433
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Lambda**
Calculated MW	**25298**

MFRP Antibody (monoclonal) (M01) - Additional Information

Gene ID 114902

Other Names
Complement C1q tumor necrosis factor-related protein 5, C1QTNF5, CTRP5

Target/Specificity
MFRP (NP_113621, 480 a.a. ~ 579 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

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
MFRP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

MFRP Antibody (monoclonal) (M01) - Protocols

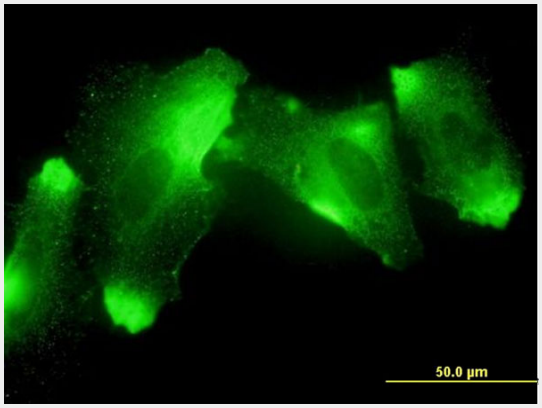
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

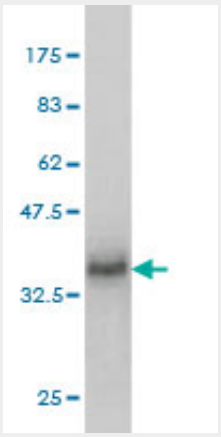
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

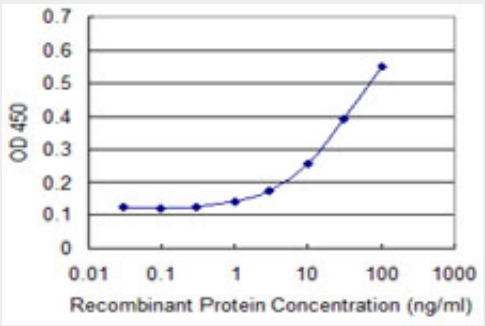
MFRP Antibody (monoclonal) (M01) - Images



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



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



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

MFRP Antibody (monoclonal) (M01) - Background

This gene encodes a member of the frizzled-related proteins. The encoded protein may play a role

in eye development, as mutations in this gene have been associated with nanophthalmos, posterior microphthalmia, retinitis pigmentosa, foveoschisis, and optic disc drusen. The protein is encoded by a bicistronic mRNA, which also encodes C1q and tumor necrosis factor related protein 5.

MFRP Antibody (monoclonal) (M01) - References

A detailed phenotypic assessment of individuals affected by MFRP-related oculopathy. Mukhopadhyay R, et al. Mol Vis, 2010 Mar 26. PMID 20361016.Compound heterozygosity for a novel and a recurrent MFRP gene mutation in a family with the nanophthalmos-retinitis pigmentosa complex. Zenteno JC, et al. Mol Vis, 2009 Sep 5. PMID 19753314.Evaluation of MFRP as a candidate gene for high hyperopia. Wang P, et al. Mol Vis, 2009. PMID 19169412.The association of membrane frizzled-related protein (MFRP) gene with acute angle-closure glaucoma--a pilot study. Wang IJ, et al. Mol Vis, 2008 Sep 8. PMID 18781223.Molecular analysis of CHX10 and MFRP in Chinese subjects with primary angle closure glaucoma and short axial length eyes. Aung T, et al. Mol Vis, 2008 Jul 17. PMID 18648522.