

**MR1 Antibody (monoclonal) (M03)**

Mouse monoclonal antibody raised against a partial recombinant MR1.

Catalog # AT2898a

**Specification**

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**MR1 Antibody (monoclonal) (M03) - Product Information**

Application	WB, E
Primary Accession	<a href="#">O95460</a>
Other Accession	<a href="#">NM_001531</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	39366

**MR1 Antibody (monoclonal) (M03) - Additional Information**

Gene ID 3140

**Other Names**

Major histocompatibility complex class I-related gene protein, MHC class I-related gene protein, Class I histocompatibility antigen-like protein, MR1

**Target/Specificity**

MR1 (NP\_001522, 201 a.a. ~ 300 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**

MR1 Antibody (monoclonal) (M03) is for research use only and not for use in diagnostic or therapeutic procedures.

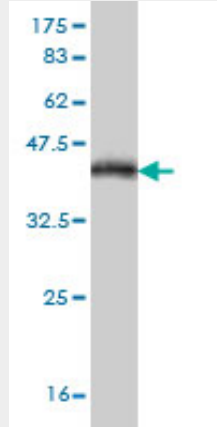
**MR1 Antibody (monoclonal) (M03) - Protocols**

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

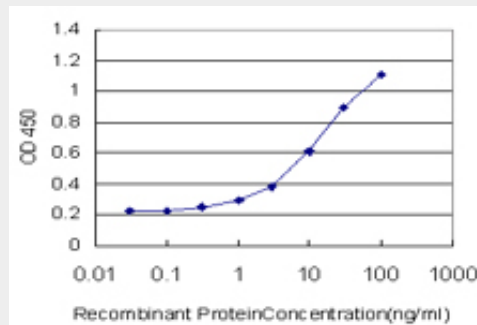
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### MR1 Antibody (monoclonal) (M03) - Images



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



Detection limit for recombinant GST tagged MR1 is approximately 1ng/ml as a capture antibody.

### MR1 Antibody (monoclonal) (M03) - References

New genetic associations detected in a host response study to hepatitis B vaccine. Davila S, et al. *Genes Immun*, 2010 Apr. PMID 20237496. The MHC-related protein 1 (MR1) is expressed by a subpopulation of CD38+, IgA+ cells in the human intestinal mucosa. Gozalbo-Lopez B, et al. *Histol Histopathol*, 2009 Nov. PMID 19760593. Identification of 4 new HLA-DR-restricted minor histocompatibility antigens as hematopoietic targets in antitumor immunity. Stumpf AN, et al. *Blood*, 2009 Oct 22. PMID 19706888. MR1 antigen presentation to mucosal-associated invariant T cells was highly conserved in evolution. Huang S, et al. *Proc Natl Acad Sci U S A*, 2009 May 19. PMID 19416870. Novel MHC class I-related molecule MR1 affects MHC class I expression in 293T cells. Aldemir H. *Biochem Biophys Res Commun*, 2008 Feb 8. PMID 18068122.