

ERMAP Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant ERMAP.****Catalog # AT1943a****Specification**

ERMAP Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	O96PL5
Other Accession	NM_001017922
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	52605

ERMAP Antibody (monoclonal) (M01) - Additional Information**Gene ID** 114625**Other Names**

Erythroid membrane-associated protein, hERMAP, Radin blood group antigen, Scianna blood group antigen, ERMAP, RD, SC

Target/Specificity

ERMAP (NP_001017922, 376 a.a. ~ 475 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

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

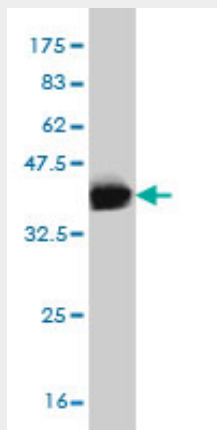
ERMAP Antibody (monoclonal) (M01) - Protocols

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

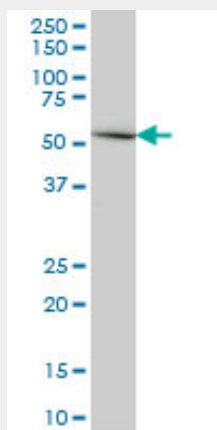
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

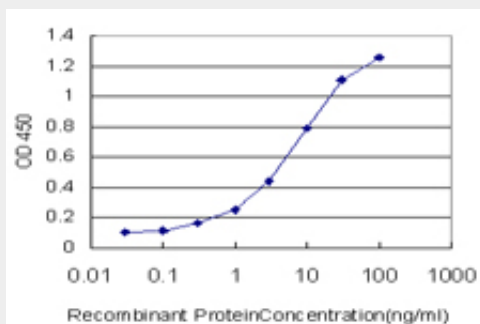
ERMAP Antibody (monoclonal) (M01) - Images



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



ERMAP monoclonal antibody (M01), clone 6F8 Western Blot analysis of ERMAP expression in HeLa (Cat # AT1943a)



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

ERMAP Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a cell surface transmembrane protein that may act as an erythroid cell receptor, possibly as a mediator of cell adhesion. Polymorphisms in this gene are responsible for the Scianna/Radin blood group system. Two transcript variants encoding the same protein have been found for this gene.

ERMAP Antibody (monoclonal) (M01) - References

The polymorphism nt 76 in exon 2 of SC is more frequent in whites than in blacks. Fuchisawa A, et al. Immunohematology, 2009. PMID 19856728.[Expression of human ermap gene in umbilical cord blood mononuclear cells during differentiation and development towards erythroid lineage] Lin LD, et al. Zhongguo Shi Yan Xue Ye Xue Za Zhi, 2008 Apr. PMID 18426659.The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414.SCER and SCAN: two novel high-prevalence antigens in the Scianna blood group system. Flegel WA, et al. Transfusion, 2005 Dec. PMID 16371048.ABO, Rh, MNS, Duffy, Kidd,Yt, Scianna, and Colton blood group systems in indigenous Chinese. Yan L, et al. Immunohematology, 2005. PMID 15783300.