

# ERMAP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ERMAP.

Catalog # AT1943a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q96PL5</a>
<b>Other Accession</b>	<a href="#">NM_001017922</a>
<b>Reactivity</b>	Human
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	6F8
<b>Calculated MW</b>	52605

## Additional Information

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<b>Gene ID</b>	114625
<b>Other Names</b>	Erythroid membrane-associated protein, hERMAP, Radin blood group antigen, Scianna blood group antigen, ERMAP, RD, SC
<b>Target/Specificity</b>	ERMAP (NP_001017922, 376 a.a. ~ 475 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	ERMAP Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

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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.

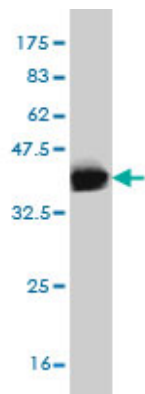
## References

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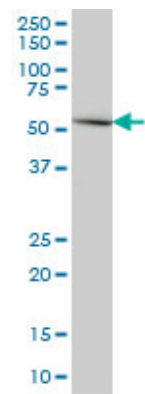
The polymorphism nt 76 in exon 2 of SC is more frequent in whites than in blacks. Fuchisawa A, et al. Immunohematology, 2009. PMID 19856728.[Expression of human ermap gene in umbilical cord blood

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.

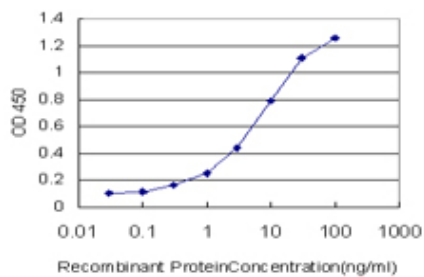
Images



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 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.