10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ERMAP Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ERMAP.
Catalog # AT1943a

Product Information

Application	WB, E
Primary Accession	Q96PL5
Other Accession	NM_001017922
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	6F8
Calculated MW	52605

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 E~~N/A
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.

Background

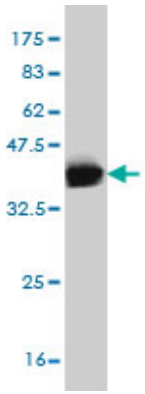
The protein encoded by this gene is a cell surface transmembrane protein that may act as an erythroid cell receptor, possibly as a mediator of cell adhesion. Polymorphisms in this gene are responsible for the Scianna/Radin blood group system. Two transcript variants encoding the same protein have been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

References

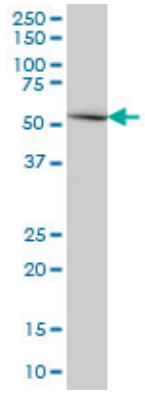
The polymorphism nt 76 in exon 2 of SC is more frequent in whites than in blacks. Fuchisawa A, et al. Immunohematology, 2009. PMID 19856728.[Expression of human ermap gene in umbilical cord blood

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.

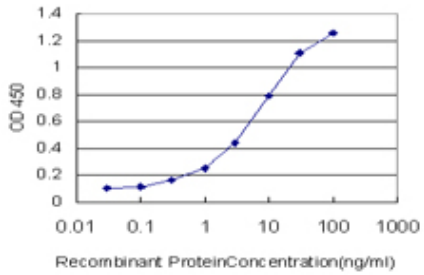
Images



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'.