



# ERMAP Polyclonal Antibody

<b>Catalog No</b>	BYab-07129
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ERMAP RD SC
<b>Protein Name</b>	Erythroid membrane-associated protein (hERMAP) (Radin blood group antigen) (Scianna blood group antigen)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 30-110
<b>Specificity</b>	ERMAP Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	52kD
<b>Cell Pathway</b>	Cell membrane ; Single-pass type I membrane protein . Cytoplasm .
<b>Tissue Specificity</b>	Expressed in erythroid-enriched bone marrow (at protein level). Highly expressed in bone marrow and to a lower extent in leukocytes, thymus, lymph node and spleen.
<b>Function</b>	developmental stage:Expressed in fetal liver blood cells (at protein level). Highly expressed in fetal liver.,function:Possible role as a cell-adhesion or receptor molecule of erythroid cells.,online information:Blood group antigen gene mutation database,polymorphism:ERMAP is responsible for the Scianna/Radin blood group system which comprises seven different antigens. The Sc1 and Sc2 antigens are resulting from a single variation in position 57; Arg-57 corresponds to the Sc2 antigen and Gly-57 to the Sc1 antigen. The Sc2 antigen is rare with an occurrence of less than 1% in the population while Sc1 is more frequent. Sc3 is not expressed by individuals homozygous for a null allele encoding a truncated protein lacking its extracellular part (Sc-3). The Sc4 antigen corresponding to the

Nanjing BYabscience technology Co.,Ltd



previously defined Radin blood group antigen (Rd) is due to a single variation in position 60; Ala-60 cor

**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. [provided by RefSeq, Jul 2008],

**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**