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Datasheet for ABIN1694825

anti-ERMAP antibody (AA 61-120) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	ERMAP
Binding Specificity:	AA 61-120
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This ERMAP antibody is conjugated to Alexa Fluor 488
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human ERMAP
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	ERMAP
Alternative Name:	ERMAP (ERMAP Products)
Background:	Synonyms: ERMAP, ERMAP_HUMAN, Erythroblast membrane associated protein, Erythroid

Target Details

membrane associated protein, Erythroid membrane-associated protein, hERMAP, MGC118810, MGC118811, MGC118812, MGC118813, PRO2801, Radin blood group Rd, Radin blood group antigen, RD, SC, Scianna blood group Sc, Scianna blood group antigen.

Background: ERMAP is a single-pass type one membrane protein that belongs to the immunoglobulin superfamily. Expressed in cord blood, fetal liver and adult bone marrow, ERMAP is thought to function as a cell adhesion molecule in erythroid cells and is responsible for expression of the Scianna/Radin (Sc/Rd) blood group antigen system. The Sc/Rd system is comprised of seven antigens that are present on the surface of red blood cells and have a variety of functions ranging from protein transport to cell adhesion. These seven blood antigens can differ in their expression within a population and may sometimes differ between mother and child. A fetus expressing different blood antigens than its mother may cause the mother to produce against the fetal blood. This condition is known as hemolytic disease of the newborn (HDN) and is characterized by jaundice, anemia and in some cases, infant death.

Gene ID: 114625

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months