



Mouse Anti-Human CD31 monoclonal antibody, clone NN23 (CABT-ZB1077)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	It reacts with Human CD31
Target	HBA1
Immunogen	Recombinant Human CD31/PECAM-1 Protein
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	NN23
Purification	Protein A purified
Conjugate	Unconjugated
Applications	ELISA(det) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB769 - CABT-ZB1077 This antibody will detect CD31 in antibody pair set. [ABPR-ZB349]
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CD31 / PECAM-1. The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	Purified, Liquid
Concentration	Lot specific

Size	50 µL, 100 µL, 200 µL, 1 mL
Buffer	PBS
Preservative	None
Storage	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	The Cluster of Differentiation 31 (CD31) adhesion molecule, also known as platelet-endothelial cell adhesion molecule-1 (PECAM-1), is the only known member of the CAM family on platelets. CD31 protein is a 130-kDa transmembrane glycoprotein expressed by endothelial cells, platelets, monocytes, neutrophils, and certain T cell subsets. CD31 protein is also expressed in certain tumors, including epithelioid hemangioendothelioma, other vascular tumors, and histiocytic malignancies. CD31 plays a key role in removing aged neutrophils and tissue regeneration. CD31 protein mediates the homotypic or heterotypic cell adhesion by binding to itself or the leukocyte integrin $\alpha v \beta 3$, and thus plays a role in neutrophil recruitment in inflammatory responses, transendothelial migration of leukocytes, as well as in cardiovascular development.
Keywords	HBA1; hemoglobin, alpha 1; HBH; HBA-T3

GENE INFORMATION

Synonyms	HBA1; hemoglobin, alpha 1; HBH; HBA-T3; hemoglobin subunit alpha; alpha-globin; delta globin; alpha-1 globin; alpha-1-globin; alpha one globin; alpha-2 globin chain; hemoglobin alpha chain; hemoglobin alpha-1 chain; hemoglobin alpha 1 globin chain
Entrez Gene ID	3039
UniProt ID	P69905