



# Mouse Anti-Human CD31 monoclonal antibody, clone NN17 (CABT-ZB769)

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

## PRODUCT INFORMATION

<b>Specificity</b>	It reacts with Human CD31
<b>Target</b>	HBA1
<b>Immunogen</b>	Recombinant Human CD31/PECAM-1 Protein
<b>Isotype</b>	IgG
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	NN17
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA(cap) We recommend the following for sandwich ELISA (Capture - Detection): CABT-ZB769 - CABT-ZB1077 This antibody will detect CD31 in antibody pair set. [ABPR-ZB349]
<b>Preparation</b>	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.
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Lot specific

<b>Size</b>	50 $\mu$ L, 100 $\mu$ L, 200 $\mu$ L, 1 mL
<b>Buffer</b>	PBS
<b>Preservative</b>	None
<b>Storage</b>	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.
<b>Ship</b>	Wet ice

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	HBA1; hemoglobin, alpha 1; HBH; HBA-T3

## GENE INFORMATION

<b>Synonyms</b>	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
<b>Entrez Gene ID</b>	<a href="#">3039</a>
<b>UniProt ID</b>	<a href="#">P69905</a>