

Mouse CD31 Monoclonal Antibody | anti-CD31 antibody

MOUSE ANTI RAT CD31

CATALOG #	HOST	APPLICATIONS
AAA49247	Mouse	Western Blot, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA, Immunohistochemistry

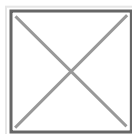
PRODUCT SYNONYMS

CD31; Monoclonal Antibody; MOUSE ANTI RAT CD31; anti-CD31 antibody

PRODUCT SPECIFICATIONS

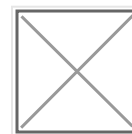
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	TLD-3A12
Form/Format	Purified Purified IgG - liquid
Concentration	IgG concentration 1.0 mg/ml (varies by lot)
Sequence Length	678
Applicable Applications for anti-CD31 antibody	WB (Western Blot), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA, IHC (Immunohistochemistry)
Perservative Stabilisers	0.09% Sodium Azide Preparation
Buffer Solution	Phosphate buffered saline
Target Species	Rat
Preparation and Storage	Store at 4 degree C or at -20 degree C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch.

IMAGES



Application Data

Immunohistochemical staining of rat brain cryosection with Mouse anti Rat CD31



Application Data

Immunohistochemical staining of rat spleen cryosection with Mouse anti Rat CD31

ADDITIONAL INFORMATION

Related Product Information for anti-CD31 antibody	Mouse anti Rat CD31 antibody, clone TLD-3A12 recognizes rat PECAM-1 (CD31), a 661 amino acid type 1 transmembrane protein expressed primarily on endothelial cells, platelets and leucocytes. Clone TLD-3A12 has been shown to partially block the proliferative response of antigen-specific CD4+ T cells to antigen-presenting cells and relevant antigen (Stevenson, K.S. et al.2009). This clone has been reported as suitable for use in IHC on formalin-fixed paraffin-embedded sections pre-treated with 0.2M boric acid, pH7.0. (Wilson et al. 2007). Mouse anti Rat CD31, clone TLD-3A12 has been shown to be cross-reactive with endothelial cells derived from rhesus macaque (Maclean et al. 2001)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	75832033
NCBI GeneID	29583
NCBI Accession #	NP_113779.1
NCBI GenBank Nucleotide #	NM_031591.1
UniProt Accession #	Q3SWT0; P97635
Molecular Weight	76,189 Da
NCBI Official Full Name	platelet endothelial cell adhesion molecule
NCBI Official Synonym Full Names	platelet/endothelial cell adhesion molecule 1
NCBI Official Symbol	Pecam1
NCBI Official Synonym Symbols	CD31; Pecam
NCBI Protein Information	platelet endothelial cell adhesion molecule; PECAM-1
UniProt Protein Name	Platelet endothelial cell adhesion molecule
UniProt Gene Name	Pecam1
UniProt Synonym Gene Names	Pecam; PECAM-1
UniProt Entry Name	PECA1_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.