Recombinant Phospho-CD31 (Tyr713) Monoclonal Antibody

catalog number: **AN302093L**

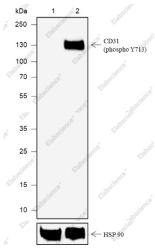
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	phosphorylated human CD31 (Tyr713) peptide
Host	Rabbit
Isotype	Rabbit IgG
Clone	C331714
Purification	Protein A affinity purification
Conjugation	Unconjugated
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:1000

Data



Western Blot with Phospho-CD31 (Tyr713) Monoclonal Antibody at dilution of 1:1000. Lane 1: (-) Jurkat, Lane 2: (+) Jurkat + pervanadate (1 mM 30 min)

Observed-MW:130 kDa

Calculated-MW:83 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze/thaw cycles.
Shipping	Ice bag

Background

CD31, also named as Platelet Endothelial Cell Adhesion Molecule-1 (PECAM-1), a member of the Ig superfamily of cell adhesion molecules, is expressed by circulating platelets, monocytes, neutrophils, some T cells, and endothelial cells and modulates cell adhesion, endothelial cell migration, and angiogenesis. CD31 is phosphorylated on Tyr686 at the cytoplasmic carboxy-terminal tail upon various stimuli (e.g. mechanical or oxidative stress), presumably by Src family members. The tyrosine phosphorylation mediates associations with a number of SH2 domain-containing binding partners such as PI3 kinase, SHIP, PLCγ, and SHP-2. Thus, CD31 serves as a scaffold for various signaling molecules.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com