

CD31/PECAM-1 Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Pecam;C85791;PECAM-1;Cd31;platelet/endothelial cell adhesion molecule 1
Protein Construction:	Glu30-Leu603
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q03311
Molecular Weight:	66.13 kDa (Predicted); 70-90 kDa (Due to glycosylation)

QC Testing

Biological Activity:	Activity testing is not tested. It is theoretically active, but we cannot guarantee it.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22μm filtered solution in 50mM Tris, 150mM NaCl (pH 8.0).

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

Proteins are shipped with blue ice.

Protein Background

Butyrylcholinesterase is a serine hydrolase biochemically related to the cholinergic enzyme acetylcholinesterase. It is capable of hydrolyzing esters of choline. Butyrylcholinesterase has unique enzymatic properties and is widely distributed in the nervous system, raising the possibility of its involvement in neural function.

Reference

Deaglio S, et al. (2000) CD38/CD31, a receptor/ligand system ruling adhesion and signaling in human leukocytes. Chem Immunol. 75: 99-120.

Kohler S, et al. (2009) Life after the thymus: CD31+ and CD31- human naive CD4+ T-cell subsets. Blood. 113(4): 769-74.

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