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37-1382: Mouse CD47 Recombinant Protein (His Tag)(Discontinued)

Reactivity : Mouse

Description

Source : HEK293 Cells
CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain and is a receptor for the C-terminal cell binding domain of thrombospondin. It may play a role in membrane transport and signal transduction. CD47 is also a membrane protein, which is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. It is very broadly distributed on normal adult tissues, as well as ovarian tumors, being especially abundant in some epithelia and the brain. CD47 may play a role in membrane transport and/or integrin dependent signal transduction. It may prevent premature elimination of red blood cells. It also may be involved in membrane permeability changes induced following virus infection. By acting as an adhesion receptor for THBS1 on platelets, CD47 plays a role in both cell adhesion and in the modulation of integrins. It also plays an important role in memory formation and synaptic plasticity in the hippocampus. Cancer Immunotherapy Co-inhibitory Immune Checkpoint Targets Immune Checkpoint Immune Checkpoint Detection: Antibodies Immune Checkpoint Detection: ELISA Antibodies Immune Checkpoint Detection: WB Antibodies Immune Checkpoint Targets Immunotherapy Targeted Therapy

Product Info

Amount :	Mouse CD47 Recombinant Protein (His Tag)(Discontinued) / 200 µg
Purification :	> 90 % as determined by SDS-PAGE.
Content :	Formulation Lyophilized from sterile PBS, pH 7.4 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Storage condition :	Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Amino Acid :	Met1-Lys140

Application Note

1.Measured by its ability to bind mouse SIRPA-Fc in functional ELISA. 2.Measured by its binding ability in a functional ELISA. 3.Immobilized mouse CD47-His at 10Ã‚Âµg/mL (100Ã‚ÂµL/well) can bind mouse SIRPA-Fc, the EC50 of mouse SIRPA-Fc is 0.07-0.3Ã‚Âµg/mL.
Endotoxin :< 1.0 EU per Ã‚Âµg protein as determined by the LAL method.
Other pack size also available.

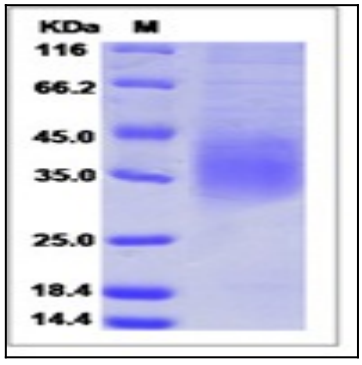

Fig 1: Mouse CD47 Recombinant Protein (His Tag)

For Research Use Only. Not for use in diagnostic/therapeutics procedures.