

Recombinant Mouse CD47 Protein

RPCB0780

Protein Information

Size:	10 µg , 20 µg , 50 µg , 100 µg	Tag:	C-hFc
Reactivity:	Mouse	Expressed Host:	HEK293 cells
Calculated MW:	39.80 kDa	Observed MW:	60-70 kDa

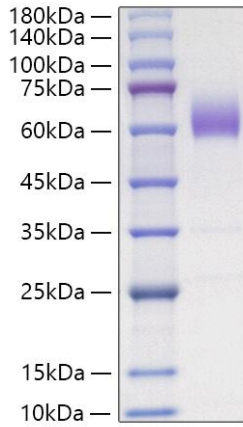
Background

CD47, also known as Integrin-Associated Protein (IAP) and OA3, is a glycosylated atypical member of the immunoglobulin superfamily. Mouse CD47 is an integral membrane protein that consists of an extracellular domain (ECD) with a single Ig-like domain, five membrane-spanning regions with short intervening loops, and a C-terminal cytoplasmic tail. CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins. It plays an important role in memory formation and synaptic plasticity in the hippocampus. As a receptor for SIRPA, its binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. Interaction with SIRPG mediates cell-cell adhesion, it enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation. It may play a role in membrane transport and/or integrin-dependent signal transduction. It also prevents premature elimination of red blood cells.

Properties

Synonyms:	Leukocyte Surface Antigen CD47, Antigenic Surface Determinant Protein OA3, Integrin-Associated Protein, IAP, Protein MER6, CD47, MER6
Gene ID:	16423
Endotoxin:	< 0.01 EU/µg of the protein by LAL method
Description:	High quality, high purity and low endotoxin recombinant Recombinant Mouse CD47 Protein (RPCB0780), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
Storage:	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Validation Data



Recombinant Mouse CD47 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.