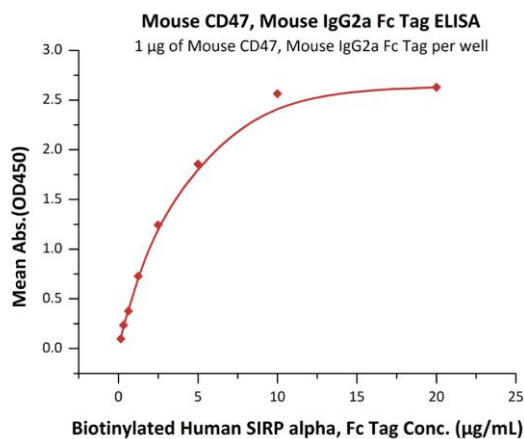
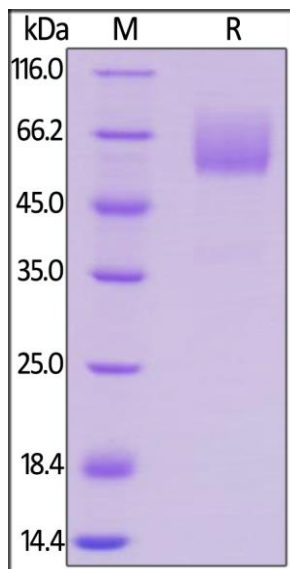


Human CellExp™ CD47, Fc Tag, Mouse Recombinant

CATALOG NO:	P1390-10 10 µg P1390-50 50 µg
ALTERNATE NAMES:	CD47, MER6, IAP, OA3
MOL. WT.	This protein carries a mouse IgG2a Fc tag at the C-terminus. The protein has a calculated MW of 40.7 kDa. The protein migrates as 55-85 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
SOURCE:	HEK 293 cells
PURITY:	>95% as determined by SDS-PAGE
ENDOTOXIN:	Less than 0.1 EU per µg by the LAL method.
FORM:	Lyophilized
FORMULATION:	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 100 µg/ml. Do not vortex. It is recommended to store at -20°C.
SPECIFIC ACTIVITY:	Immobilized Mouse CD47, Mouse IgG2a Fc Tag at 10 µg/mL (100 µL/well) can bind Biotinylated Human SIRP alpha, Fc Tag with a linear range of 0.16-5 µg/mL
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -20°C and use within 3 months. Avoid repeated freezing and thawing cycles. -20°C
DESCRIPTION:	Leukocyte surface antigen CD47 is also known as Antigenic surface determinant protein OA3, Integrin-associated protein (IAP) and Protein MER6. CD47 contains 1 Ig-like V-type (immunoglobulin-like) domain. CD47 is very broadly distributed on normal adult tissues. CD47 has a role in both cell adhesion by acting as an adhesion receptor for THBS1 on platelets, and in the modulation of integrins and plays an important role in memory formation and synaptic plasticity in the hippocampus by similarity. CD47 is the receptor for SIRPA, binding to which prevents maturation of immature dendritic cells and inhibits cytokine production by mature dendritic cells. CD47 Interaction with SIRPG mediates cell-cell adhesion, enhances superantigen-dependent T-cell-mediated proliferation and costimulates T-cell activation.
AMINO ACID SEQUENCE:	AA Gln 19 - Lys 140



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Mouse CD47, Mouse IgG2a Fc Tag on SDS-PAGE under reducing (R) condition.

RELATED PRODUCTS:

- Human CellExp™ CD47, rat recombinant (P1076)
- Human CellExp™ CD47, Rhesus macaque Recombinant (P1241)
- Human CellExp™ CD47, rabbit recombinant (P1077)
- Human CellExp™ CD47, human recombinant (7385)

FOR RESEARCH USE ONLY! Not to be used on humans.