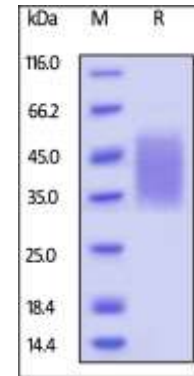


Human CellExp™ CD47, Rhesus macaque Recombinant

CATALOG NO:	P1241-10	10 µg
ALTERNATE NAMES:	CD47, MER6, IAP, OA3	
SOURCE:	HEK 293 cells (Gln 19 - Glu 141)	
PURITY:	> 95% by SDS – PAGE	
MOL. WEIGHT:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 15.8 kDa. The protein migrates as 30-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.	
ENDOTOXIN LEVEL:	< 1.0 EU per 1µg of protein (determined by LAL method)	
FORM:	Lyophilized	
FORMULATION:	Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Generally Mannitol or Trehalose is added as a protectant before lyophilization.	
STORAGE CONDITIONS:	Store at -20°C. After reconstitution, aliquot and store at -80°C and use within 3 months. Avoid repeated freezing and thawing cycles.	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile deionized water to a concentration of 50 µg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% (W/V) HSA or BSA) is recommended for further dilution and long term storage. Do not vortex.	
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.	
SPECIFIC ACTIVITY:	Immobilized Human SIRP alpha, Fc Tag at 5 µg/mL (100 µL/well) can bind Cynomolgus / Rhesus macaque CD47, His Tag with a linear range of 4-63 ng/mL	

A



B

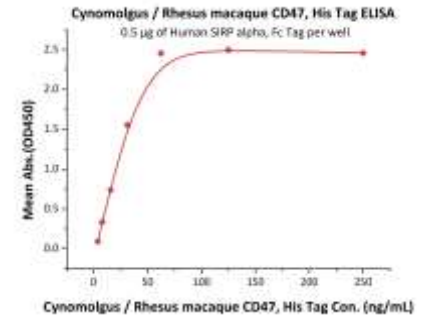


Fig. A. Cynomolgus / Rhesus macaque CD47, His Tag on SDS-PAGE under reducing (R) condition

Fig. B. Immobilized Human SIRP alpha, Fc Tag at 5 µg/mL (100 µL/well) can bind Cynomolgus / Rhesus macaque CD47, His Tag with a linear range of 4-63 ng/mL

RELATED PRODUCT:

- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10)
- Human CellExp™ CD47, rat recombinant (Cat. No. P1076-10, -50)
- Human CellExp™ CD47, rabbit recombinant (Cat. No. P1077-10, -50)
- Human CellExp™ CD166/ ALCAM, human recombinant (Cat. No. 7437-10, -50)
- Human CellExp™ CD172A / SIRP, human recombinant (Cat. No. 7506-10, -50)
- Human CellExp™ CD33 / SIGLEC-3, human recombinant (Cat. No. 7370-10, -50)
- Human CellExp™ CD47, human recombinant (Cat. No. 7385-10, -50)
- Human CellExp™ CD55/DAF, human recombinant (Cat. No. 7432-10, -50)
- Human CellExp™ CD58 /LFA-3, human recombinant (Cat. No. 7427-10, -50)
- Human CellExp™ CD62E/E-Selectin, human recombinant (Cat. No. 7434-20, -100)
- Human CellExp™ CD71 / TFRC / TFR, human recombinant (Cat. No. 7279-10, -50)
- Human CellExp™ CD273, human recombinant (Cat. No. 7369-10, -50)
- Human CellExp™ CD36, human recombinant (Cat. No. 7371-10, -50)
- Human CellExp™ CD87, human recombinant (Cat. No. 7372-20, -100)

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