



Recombinant Protein Technical Manual

Recombinant Human CD47/IAP Protein (Fc Tag)(Active)
RPES3546

Product Data:

Product SKU: RPES3546

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q08722

Protein Information:

Molecular Mass: 41.9 kDa

AP Molecular Mass: 60 kDa

Tag: C-Fc

Bio-activity: Immobilized Human SIRPA-His(Cat: PKSH033525) at 0.8µg/ml(100 µl/well) can bind Human CD47-Fc. The ED50 of Human CD47-Fc is 0.135 ug/ml .

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application: Functional ELISA

Synonyms: Leukocyte Surface Antigen CD47; Antigenic Surface Determinant Protein OA3; Integrin-Associated Protein; IAP; Protein MER6; CD47; MER6

Immunogen Information:

Sequence: Gln19-Pro139

Background:

CD47(Integrin-Associated Protein,IAP) is a 40 - 60 kDa variably glycosylated atypical member of the immunoglobulin superfamily. The ubiquitously expressed CD47 binds to SIRP family members on macrophages, neutrophils, and T cells. CD47 is involved in the increase in intracellular calcium concentration that occurs upon cell adhesion to extracellular matrix. The protein is also a receptor for the C-terminal cell-binding domain of thrombospondin, and it may play a role in membrane transport and signal transduction. This protein has broad tissue distribution, and is reduced in expression on Rh erythrocytes.