



Recombinant Protein Technical Manual

Recombinant Mouse IL7RA/CD127 Protein (Fc Tag)(Active)
RPES0554

Product Data:

Product SKU: RPES0554

Size: 10µg

Species: Mouse

Expression host: Human Cells

Uniprot: NP_032398.3

Protein Information:

Molecular Mass: 52.1 kDa

AP Molecular Mass: 61-75 kDa

Tag: C-Fc

Bio-activity: Immobilized Human IL-7-His(Cat: PKSH032654) at 10µg/ml(100 µl/well) can bind Mouse IL-7RA-Fc.

Purity: > 95 % as determined by 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 PBS, pH 7.4.

Reconstitution: Please refer to it for detailed information.

Application: Functional ELISA

Synonyms: Interleukin-7 receptor subunit alpha; IL7r; IL-7 receptor subunit alpha; IL-7R subunit alpha; IL-7R-alpha; IL-7RA; CD127;IL-7Ralpha

Immunogen Information:

Sequence: Glu21-Asp239

Background:

Interleukin 7 Receptor alpha (IL-7R α), also known as CD127, is a 75 kDa hematopoietin receptor superfamily member that plays an important role in lymphocyte differentiation, proliferation, and survival. IL-7R α is majorly expressed on T cells and their precursors, and early in B cell development as well, prior to the appearance of surface IgM. Dynamic regulation of IL-7R α is important for the generation of appropriate immune responses.