Recombinant Protein Technical Manual

Recombinant Human Interleukin3/IL3 Protein (Fc Tag)(Active)

RPES3746

Product Data:

Product SKU: RPES3746

Size: 10µg

Species: Human

Expression host: HEK293 Cells

Uniprot: AAK53823.1

Protein Information:

Molecular Mass:	39 kDa
AP Molecular Mass:	50-55 kDa
Tag:	Fc Tag
Bio-activity:	Measured by its binding ability in a functional ELISA. Immobilized recombinant human IL13RA2 at 8 µg/ml (100 µl/well) can bind IL13 with a linear range of 0.25-8.0 ng/ml.
Purity:	> 98 % 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℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping:	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation:	Lyophilized from sterile PBS, pH 7.4
Reconstitution:	Please refer to the printed manual for detailed information.
Application:	Functional ELISA
Synonyms:	ALRH;IL3;P600;IL13

Immunogen Information:

Sequence: Gly 21-Asn 132

Background:

Interleukin 13 (IL3) is a single-chain glycosylated polypeptide, which belongs to the IL3/IL-4 family. IL3 protein is secreted by many cell types, but especially by T helper type 2 (Th2) cells. IL3 exerts its effects through a multi-subunit receptor comprising the alpha chain of the IL-4 receptor (IL-4Rα) and at least one of two known IL3-specific binding chains (IL3 Rα1 and IL3 Rα2). As a cytokine, IL3 protein is critical in regulating inflammatory, immune responses and diseases. In addition, it inhibits the production of pro-inflammatory cytokines and chemokines, and thus down-regulates macrophage activity. IL3 protein and antibody is more importantly implicated as a central mediator of immunoregulatory processes in various cell types.