Recombinant Protein Technical Manual

Recombinant Mouse TSLP Protein (His Tag)(Active)

RPES3177

Product Data:

Product SKU: RPES3177

Size: 5µg

Species: Mouse

Expression host: HEK293 Cells

Uniprot: Q9JIE6

Protein Information:

Molecular Mass:	15.4 kDa
AP Molecular Mass:	22-27 kDa
Tag:	C-His
Bio-activity:	Measured by its ability to bind human IL7RA-his in functional ELISA.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU per µg of the protein 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:	Thymic stromal lymphopoietin;Thymic stroma-derived lymphopoietin;Tslp;TSLP

Immunogen Information:

Sequence: Met 1-Glu 140

Background:

Thymic stromal lymphopoietin (TSLP) is an interleukin 7 (IL-7)-like cytokine originally characterized by its ability to promote the activation of B cells and dendritic cells (DCs). Thymic stromal lymphopoietin (TSLP) is a cytokine expressed by epithelial cells, including keratinocytes, and is important in allergic inflammation. Subsequent studies have shown that TSLP promotes T helper type 2 (TH2) cell responses associated with immunity to some helminth parasites and the pathogenesis of many inflammatory diseases, including atopic dermatitis and asthma. TSLP can promote TH2 cytokine-associated inflammation by directly promoting the effector functions of CD4+ TH2 cells, basophils and other granulocyte populations while simultaneously limiting the expression of DC-derived proinflammatory cytokines and promoting regulatory T cell responses in peripheral tissues.