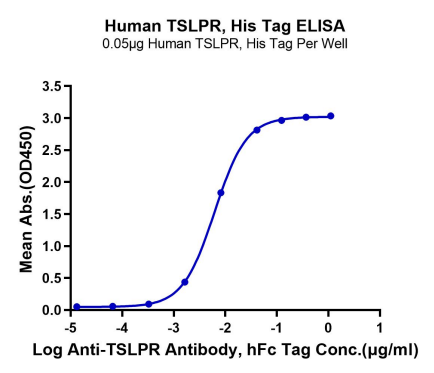
Bioactive HuPro®

CRLF2 (Human) Recombinant Protein

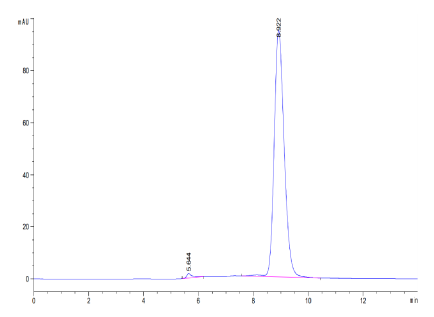
Catalog # P9915 Size 100 ug

Applications



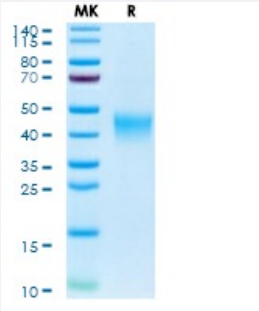
Enzyme-linked Immunoabsorbent Assay

Immobilized Human TSLPR, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-TSLPR Antibody, hFc Tag with the EC50 of 6.2 ng/mL determined by ELISA (QC Test).



SEC-HPLC

The purity of Human TSLPR is greater than 95% as determined by SEC-HPLC.



Tris-Bis PAGE

Human TSLPR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

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Product Description	Human CRLF2 (Q9HC73-1, Gly25-Lys231) partial recombinant protein with His tag at C-Terminus expressed in HEK293 cells.
Sequence	Gly25-Lys231
Host	Human
Theoretical MW (kDa)	25.1
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Activity	The EC_{50} was 6.2 ng/mL, messured by ELISA at 0.5 ug/mL.
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human TSLPR is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human TSLPR on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human TSLPR, His Tag at 0.5 ug/mL (100 uL/Well) on the plate. Dose response curve for Anti-TSLPR Antibody, hFc Tag with the EC50 of 6.2 ng/mL determined by ELISA (QC Test).

- SDS-PAGE

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Gene Info — CRLF2

Entrez GeneID	64109
Protein Accession#	Q9HC73-1
Gene Name	CRLF2
Gene Alias	CRL2, CRLF2Y, TSLPR
Gene Description	cytokine receptor-like factor 2
Omim ID	300357 400023
Gene Ontology	Hyperlink
Gene Summary	Cytokine signals are mediated through specific receptor complexes, the components of which are mostly members of the type I cytokine receptor family. Type I cytokine receptors share conserved structural features in their extracellular domain. Receptor complexes are typically heterodimeric, c onsisting of alpha chains, which provide ligand specificity, and beta (or gamma) chains, which are required for the formation of high-affinity binding sites and signal transduction.[supplied by OMIM
Other Designations	cytokine receptor CRL2 precusor|thymic stromal lymphopoietin receptor|thymic stromal-derived ly mphopoietin receptor

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway

Disease

- Asthma
- Dermatitis
- Kaposi Varicelliform Eruption

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