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Datasheet for ABIN7319801 Thymic Stromal Lymphopoietin Protein (TSLP) (His tag)



Overview

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Images

Quantity:	50 µg
Target:	Thymic Stromal Lymphopoietin (TSLP)
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This Thymic Stromal Lymphopoietin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human TSLP (C-10His)
Sequence:	Tyr29-Gln159
Characteristics:	Recombinant Human Thymic Stromal lymphopoietin is produced by our Mammalian expression system and the target gene encoding Tyr29-Gln159 is expressed with a 10His tag at the C-terminus.
Purity:	>95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Loaded Human TSLP-His(Cat#C00K) on HIS1K Biosensor, can bind Human TSLP R- Fc(Cat#CW56) with an affinity constant of 37.97nM as determined in BLI assay

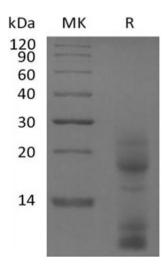
Target Details

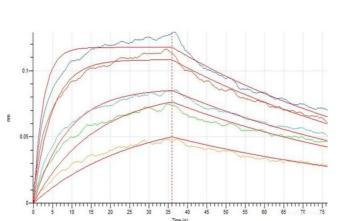
Target:	Thymic Stromal Lymphopoietin (TSLP)

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Target Details	
Alternative Name:	TSLP (TSLP Products)
Background:	Background: Thymic stromal lymphopoietin (TSLP) is a novel member of the hemopoietic cytokine family that promotes the development of B cells and shares overlapping activity with IL-7. The human TSLP protein comprises a 28 amino acids (aa) signal sequence and 131 aa mature region. Human TSLP has two isoforms IfTSLP and sfTSLP produced by alternative splicing . IfTSLP is expressed in a number of tissues including heart, liver and prostate, and sfTSLP (63aa) is predominantly expressed in keratinocytes of oral mucosa, skin and in salivary glands. In aa sequence level, Human TSLP displays about 43 % identity with mouse TSLP.TSLP is a cytokine that functions mainly on myeloid cells, it induces the release of T cell-attracting chemokines from monocytes and enhances the maturation of CD11c(+) dendritic cells.TSLP has proliferative effects on the myeloid cell line and may initiate asthma or atopic dermatitis responses by directly activating mast cells . TSLP signals cells via the interleukin-7 receptor-α chain (IL-7Ra), shared with IL-7, together with the TSLP receptor (TSLPR) subunit. Recent studies indicate that TSLP and its receptor are novel therapeutic targets for rheumatoid arthritis, for increased intraarticular TSLP concentrations in patients has caused chemotaxis and activation of arthritogenic T cells.
Molecular Weight:	16.3 kDa
UniProt: Application Details	Q969D9
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, 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.

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Western Blotting

Image 1.

ELISA

Image 2.

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