

TSLPR Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P700842
Synonyms:	TSLP receptor; TSLPR; CRL2; CRLF2Y; CRLF2; IL-XR; p2RY8/CRLF2 fusion; CRLF2
Species:	Cynomolgus
Source:	HEK293
Accession:	XP_045239630.1 (Q23-K231)
Gene ID:	123571109
Molecular Weight:	42-52 kDa

PROPERTIES

Biological Activity	Immobilized Cynomolgus TSLPR, His Tag at 0.5 µg/mL (100 µl/well) on the plate. Dose response curve for Anti-TSLPR Antibody, hFc Tag with the EC ₅₀ of <13.3 ng/mL determined by ELISA.
Appearance	Lyophilized powder
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The TSLPR Protein functions as the receptor for thymic stromal lymphopoietin (TSLP) and, in collaboration with IL7R, forms a functional complex that stimulates cell proliferation through the activation of STAT3 and STAT5. Additionally, the receptor activates JAK2 and plays a crucial role in the development of the hematopoietic system. The TSLPR receptor, existing as a heterodimer of CRLF2 and IL7R, is an essential component of the high-affinity ternary complex, where the binding of TSLP to CRLF2/TSLPR is a mechanistic prerequisite for the recruitment of IL7R, highlighting its pivotal role in intricate signaling pathways critical for cellular responses and hematopoietic development.
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Caution: Product has not been fully validated for medical applications. For research use only.

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