

Human IL-27RA/TCCR Protein

Cat. No. ILR-HM127

Description

Source	Recombinant Human IL-27RA/TCCR Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Gly34-Lys516.
Accession	Q6UWB1
Molecular Weight	The protein has a predicted MW of 79.3 kDa. Due to glycosylation, the protein migrates to 90-120 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage

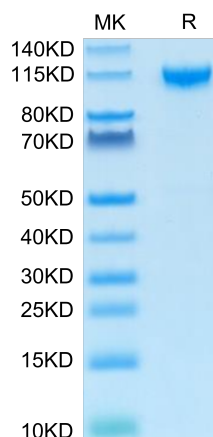
Formulation	Lyophilized from 0.22 μm filtered solution in PBS, 5mM DTT (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

A multicenter, web-based Thyroid Cancer and Tumor Collaborative Registry (TCCR, <http://tccr.unmc.edu>) allows for the collection and management of various data on thyroid cancer (TC) and thyroid nodule (TN) patients. The TCCR is coupled with OpenSpecimen, an open-source biobank management system, to annotate biospecimens obtained from the TCCR subjects.

Assay Data

Bis-Tris PAGE

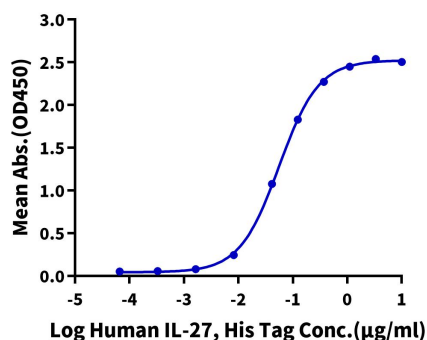


Human IL-27RA on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human IL-27 RA, hFc Tag ELISA

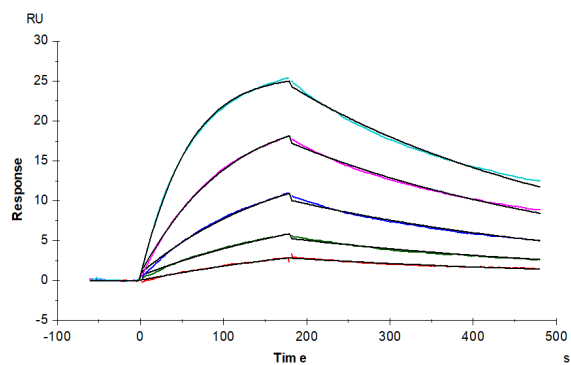
0.5 μg Human IL-27 RA, hFc Tag Per Well



Immobilized Human IL-27 RA, hFc Tag at 5 $\mu\text{g}/\text{ml}$ (100 $\mu\text{l}/\text{well}$) on the plate. Dose response curve for Human IL-27, His Tag with the EC50 of 55.9ng/ml determined by ELISA (QC Test).

Assay Data

SPR Data



Human IL-27 RA, hFc Tag captured on CM5 Chip via Protein A can bind Human IL-27, His Tag with an affinity constant of 3.58 nM as determined in SPR assay (Biacore T200).