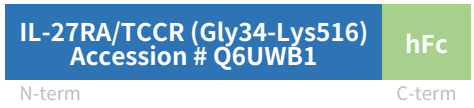
Rev04
Update: Aug,20,2025

DATASHEET

IL-27RA/TCCR hFc Chimera, Human

Cat. No.: Z05489

Product Introduction

Species	Human
Protein Construction	
Purity	> 95% as determined by Bis-Tris PAGE
Endotoxin Level	Less than 1EU per μg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	79.3 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 90-120 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22μm filtered solution in PBS, 5mM DTT (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

Examples

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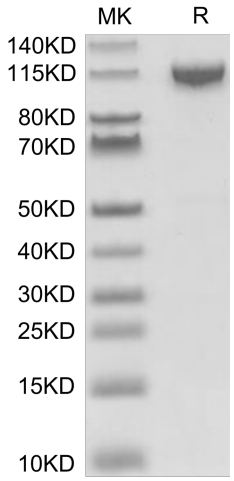
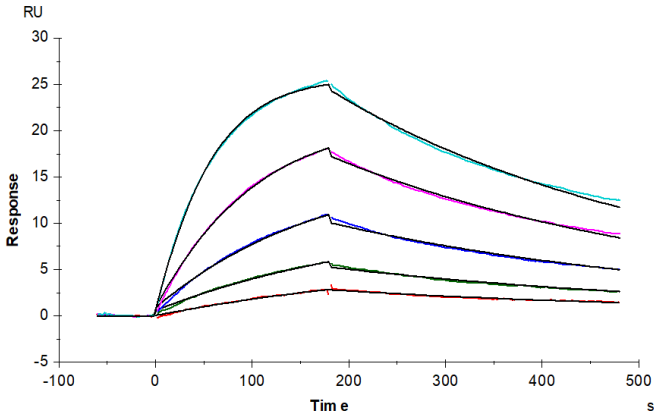
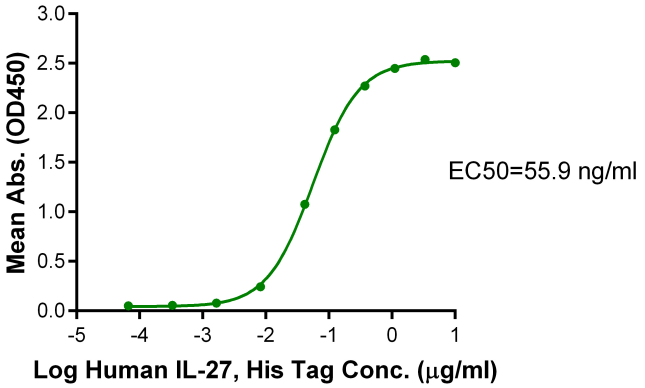


IL-27RA/TCCR hFc Chimera, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



IL-27RA/TCCR hFc Chimera, Human, 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).



Immobilized IL-27RA/TCCR hFc Chimera, Human, hFc Tag at 5 μg/ml (100 μl/well) on the plate. Dose response curve for Human IL-27, His Tag with the EC50 of 55.9 ng/ml determined by ELISA.

Background

Target 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.

Synonyms : IL-27RA; TCCR; IL27RA; IL-27R-alpha; IL27R alpha; WSX-1; WSX1; ZcytoR1; CRL1; IL-27 RA; IL27 RA

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