

IL-17RB Protein, Rhesus, Recombinant (hFc)

General Information

Synonyms:	interleukin 17 receptor B
Protein Construction:	A DNA sequence encoding the rhesus IL17RB (EHH16291.1) (Met1-Gly288) was expressed with the Fc region of human IgG1 at the C-terminus.
Species:	Rhesus
Expression Host:	HEK293
Accession:	A0A8J8YACO
Molecular Weight:	57 kDa (predicted)

QC Testing

Biological Activity:	Testing in progress
Purity:	> 85 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU per µg protein as determined by the LAL method.
Formulation:	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.

Preparation and Storage

Reconstitution:	A hardcopy of datasheet with reconstitution instructions is sent along with the products. Please refer to it for detailed information.
Stability & Storage:	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping:	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Protein Background

IL17RB (Interleukin 17 Receptor B) is a Protein Coding gene. IL17RB is the receptor for IL17E, the only member of the IL17 family promoting Th2 reactions. IL17RB is induced on human macrophages by IL4 and enhanced by TGFbeta. Overexpression of IL17RB is associated with poor prognosis and the short survival of breast cancer patients. IL17RB/IL17B signaling triggers a substantial increase in cell growth, proliferation, and migration through

the activation of NF-kappaB as well as the up-regulation of the Bcl-2. IL17RB may be the only gene expressed in CD4+ T cells whose transcript measurement is correlated with the variation in IgE level in asthmatics. Diseases associated with IL17RB include Chronic Mucocutaneous Candidiasis and Seborrheic Infantile Dermatitis.

Reference

Rickel EA, et al.. (2008) Identification of functional roles for both IL-17RB and IL-17RA in mediating IL-25-induced activities. J Immunol. 181(6): 4299-310.

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