Human IL17BR / IL17RB / IL-17 Receptor B Protein (Fc Tag)

Catalog Number: 13091-H02H

Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

CRL4; EVI27; IL17BR; IL17RH1

Protein Construction:

A DNA sequence encoding the human IL17BR (NP_061195.2) (Met1-Gly289) was expressed with the Fc region of human IgG1 at the C-terminus.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 85 % as determined by SDS-PAGE

Bio Activity:

1. Measured by its binding ability in a functional ELISA. 2. Immobilized human IL17BR-Fc at 10μg/mL (100μL/well) can bind biotinylated human Fc-IL25 (Cat:10096-H01H). The EC_{50} of human Fc-IL25 (Cat:10096-H01H) is 4.5-10.4ng/mL.

Endotoxin:

< 1.0 EU per μg of the protein as determined by the LAL method

Stability:

Samples are stable for up to twelve months from date of receipt at -70 ℃

Predicted N terminal: Arg 18

Molecular Mass:

The recombinant human IL17BR/Fc is a disulfide-linked homodimer. The reduced monomer comprises 513 amino acids and has a predicted molecular mass of 56.9 kDa. The apparent molecular mass of the protein is approximately 67 kDa in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

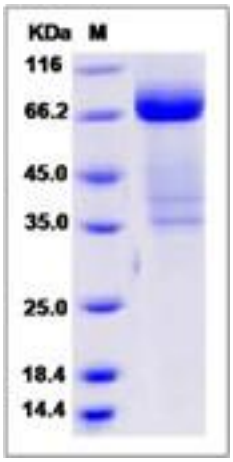
Store it under sterile conditions at -20℃ to -80℃ upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



References

1.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. 2.Stock P, *et al.*. (2009) Induction of airway hyperreactivity by IL-25 is dependent on a subset of invariant NKT cells expressing IL-17RB. J Immunol. 182(8): 5116-22. 3.Wang H, *et al.*. (2010) Allergen challenge of peripheral blood mononuclear cells from patients with seasonal allergic rhinitis increases IL-17RB, which regulates basophil apoptosis and degranulation. Clin Exp Allergy. 40(8): 1194-202.