

## IL-17B Protein, Human, Recombinant (hFc) V2

### General Information

Synonyms:	interleukin 17B;NIRF;IL-17B;IL-20;ZCYTO7
Protein Construction:	Gln21-Phe180
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9UHF5
Molecular Weight:	44.91 kDa (Predicted); 50-60 kDa (Due to glycosylation)

### QC Testing

Biological Activity:	Immobilized Human IL-17B, hFc Tag at 0.5 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Anti-IL-17B Antibody, hFc Tag with the EC50 of 18.0 ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

IL-17A, the prototypic member of the IL-17 family, several experimental findings strongly support the role of the IL-17B/IL-17 receptor B (IL-17RB) pathway in tumorigenesis and resistance to anticancer therapies. IL-17B/IL-17RB expression patterns and biological activities in cancer and highlight issues that remain to be addressed to better characterize IL-17B and its receptor as potential targets for enhancing the effectiveness of the existing cancer therapies.

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