

Rev02
 Update: Aug,08,2025
DATASHEET

IL-17R alpha/CD217 hFc Chimera[Biotin], Avi, Human

Cat. No.: Z04500

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center; margin-right: 5px;"> IL-17R alpha/CD217 (Leu33-Trp320) Accession # Q96F46-1 </div> <div style="background-color: #90c040; color: white; padding: 5px; text-align: center; margin-right: 5px;">hFc</div> <div style="background-color: #408040; color: white; padding: 5px; text-align: center;">Avi</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Conjugate	Biotin
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized Human IL17A&F, His Tag at 1µg/ml (100µl/well) on the plate can bind IL-17R alpha/CD217 hFc Chimera[Biotin], Avi, Human. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	61.8 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 78-100 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22µm filtered solution in PBS (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 up to 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.

Background

Target Background : Interleukin 17 (also known as CTLA-8) is a T cell-expressed pleotropic cytokine. IL-17 binds to IL-17 receptor (IL-17 R) which shares no homology with any known family of receptors. While the expression of IL-17 is restricted to activated T cells, the IL-17 R mRNA exhibits a broad tissue distribution, and has been detected in virtually all cells and tissues tested. The human IL-17 R gene was localized to chromosome 22.

Synonyms : CD217; CDw217; IL-17RA; IL17R; CANDF5; IL-7R; IL-7R-alpha; ILRA

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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