

Product datasheet

Recombinant human IL-2 protein (Fc Chimera Active) ab215019

Description

Product name	Recombinant human IL-2 protein (Fc Chimera Active)	
Biological activity	Shows the biological function of the IL-2 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.	
Purity	≥ 98 % SDS-PAGE.	
Endotoxin level	< 0.060 Eu/μg	
Expression system	NS1 cells	
Accession	P60568	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<pre> APTSSSTKKTQLQLEHLLLDLQMLNGINNYKNPKLTRM LTFKFYMPKKA TELKHLQCLEEEELKPLEEVLNLAQSKNFHLRPRDLISNI NVIVLELKGSE TTFMCEYADETATIVEFLNRWITFCQSIISTLT </pre>	
Predicted molecular weight	15 kDa	
Amino acids	21 to 153	
Additional sequence information	This product is the mature full length protein from aa 21 to 153. The signal peptide is not included (NP_000577.2). Fused to the N-terminus of the Fc region of a mutant human IgG1.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab215019** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies SDS-PAGE
Form	Lyophilised
Additional notes	Non-lytic: Acts as a long lasting fusion protein which only binds to the receptor. Mutations to the

complement (C1q) and FcγR I binding sites of the IgGs Fc fragment render the fusion proteins incapable of antibody directed cytotoxicity (ADCC) and complement directed cytotoxicity (CDC).

Preparation and Storage

Stability and Storage

Shipped at 4°C. Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.

Constituent: 100% PBS

Lyophilised from 0.2µm filtered solution.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution

Reconstitute in 50 µL sterile water. Add 1X PBS to the desired protein concentration.

General Info

Function

Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.

Involvement in disease

Note=A chromosomal aberration involving IL2 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with involves TNFRSF17.

Sequence similarities

Belongs to the IL-2 family.

Cellular localization

Secreted.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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