

Product datasheet

Recombinant human ICOS Ligand/ICOSL protein (Fc Chimera Active) ab214966

Description

Product name	Recombinant human ICOS Ligand/ICOSL protein (Fc Chimera Active)	
Biological activity	Measured by its ability to stimulate Human T cell proliferation in the presence of anti-CD3.	
Purity	> 98 % SDS-PAGE.	
Endotoxin level	< 0.060 Eu/μg	
Expression system	CHO cells	
Accession	O75144	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<pre>MRLGSPGLLFLFSSLRADTQEKEVRAMVGSDELSCAC PEGSRFDLNDV YYWQTSESKTVVTYHIPQNSSLENVDSRYRNRALMSPAG MLRGDFSLRL FNVTPQDEQKFHCLVLSQSLGFQEVLSVEVTLHVAANFS VPVVSAPHSPS QDELTFTCTTSINGYPRPNVYWINKTDNSLLDQALQNDTVFL NMRGLYDVV SVLRIARTPSVNIGCCIEVLLQQNLTVGSQTGNDIGERDKI TENPVSTG EKNAAT</pre>	
Amino acids	1 to 256	
Additional sequence information	The extracellular domain of Human ICOS ligand fused to the N-terminus of the Fc region of a mutant human IgG1. NCBI Accession No. NP_056074.1.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab214966** 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	Lyophilized
Additional notes	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). This product was previously labelled as ICOS Ligand

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C long term. Avoid freeze / thaw cycle. Constituent: 100% PBS This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute with 100 µL sterile water. Add 1X PBS to the desired protein concentration. Working aliquots are stable for up to 3 months when stored at -20°C.

General Info

Function	Ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells. Could play an important role in mediating local tissue responses to inflammatory conditions, as well as in modulating the secondary immune response by co-stimulating memory T-cell function.
Tissue specificity	Isoform 1 is widely expressed (brain, heart, kidney, liver, lung, pancreas, placenta, skeletal muscle, bone marrow, colon, ovary, prostate, testis, lymph nodes, leukocytes, spleen, thymus and tonsil), while isoform 2 is detected only in lymph nodes, leukocytes and spleen. Expressed on activated monocytes and dendritic cells.
Sequence similarities	Belongs to the immunoglobulin superfamily. BTN/MOG family. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Membrane.

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

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