

Product datasheet

Recombinant mouse ICOS Ligand/ICOSL protein (Active) ab214990

Description

Product name	Recombinant mouse ICOS Ligand/ICOSL protein (Active)	
Biological activity	<p>Measured by its binding ability in a functional ELISA. Immobilized human ICOS at 1µg/ml (100µl/well) can bind biotinylated B7-H2 (mouse):Fc (mouse) (rec.) (non-lytic) with a linear range of 0.1-1.0µg/ml. Optimal dilutions should be determined by each laboratory for each application.</p> <p>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).</p>	
Purity	≥ 98 % SDS-PAGE.	
Endotoxin level	< 0.060 Eu/µg	
Expression system	CHO cells	
Accession	<u>Q9JHJ8</u>	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Mouse	
Sequence	TEVGAMVGSNNVLSCIDPHRRHFNLISGLYVYWQIENPEVS VTYLPHYKSP GINVDSSYKNRGHLSLDSMKQGNFSLYLKNVTPQDTQEFT CRVFMNTATE LVKILEEVVRLRVAANFSTPVISTSDSSNPGQERTYTCMSK NGYPEPNLY WINTTDNSLIDTALQNNTVYLNKLGlyDVISTLRLPWTSRGD VLCCVENV ALHQNITSISQAESFTGNNTKPNQETHNNELK	
Amino acids	48 to 279	
Additional sequence information	Extracellular domain fused to the N-terminus of the Fc region of a mutant mouse IgG2a.	

Specifications

Our **Abpromise guarantee** covers the use of **ab214990** in the following tested applications.

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

Applications	SDS-PAGE Functional Studies
Form	Lyophilized
Additional notes	This product was previously labelled as ICOS Ligand

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C. Avoid freeze / thaw cycle. Stable for 12 months at -20°C. Constituent: 100% PBS Lyophilized from 0.2µm-filtered solution This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute at 100µg/ml in sterile PBS.

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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