

Product datasheet

Recombinant human ICOS protein (Fc Chimera Active) ab215028

Description

Product name	Recombinant human ICOS protein (Fc Chimera Active)	
Biological activity	Measured by its ability to inhibit human T cell proliferation induced by human CD275:Fc in the presence of anti-CD3.	
Purity	>= 98 % SDS-PAGE.	
Endotoxin level	< 0.060 Eu/μg	
Expression system	CHO cells	
Accession	Q9Y6W8	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	EINGSANYEMFIFHNGGVQILCKYPDIVQQFKMQLLKGGQIL CDLTKTKG SGNTVSIKSLKFCHSQLSNNSVSFFLYNLDHSHANYFCN LSIFDPPPFK VTLTGGYLHIYESQLCCQL	
Amino acids	21 to 139	
Additional sequence information	Extracellular domain, fused to the N-terminus of the Fc region of mouse IgG2a. (NP_036224.1).	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab215028** 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

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C.

Avoid freeze / thaw cycle.

Constituent: PBS

Lyophilized from 0.2 µm filtered solution.

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

Reconstitution

Reconstitute vial with 100 µL sterile water. Working aliquots are stable for up to 3 months when stored at -20°C.

General Info

Function

Enhances all basic T-cell responses to a foreign antigen, namely proliferation, secretion of lymphokines, up-regulation of molecules that mediate cell-cell interaction, and effective help for antibody secretion by B-cells. Essential both for efficient interaction between T and B-cells and for normal antibody responses to T-cell dependent antigens. Does not up-regulate the production of interleukin-2, but superinduces the synthesis of interleukin-10. Prevents the apoptosis of pre-activated T-cells. Plays a critical role in CD40-mediated class switching of immunoglobulin isotypes.

Tissue specificity

Activated T-cells. Highly expressed on tonsillar T-cells, which are closely associated with B-cells in the apical light zone of germinal centers, the site of terminal B-cell maturation. Expressed at lower levels in thymus, lung, lymph node and peripheral blood leukocytes. Expressed in the medulla of fetal and newborn thymus.

Involvement in disease

Immunodeficiency, common variable, 1

Sequence similarities

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Post-translational modifications

N-glycosylated.

Cellular localization

Secreted and Cell membrane.

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

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