

Product datasheet

Recombinant Human CD172 gamma protein (Fc Chimera) ab172854

Overview

Product name	Recombinant Human CD172 gamma protein (Fc Chimera)
Protein length	Protein fragment

Description

Nature	Recombinant
Source	HEK 293 cells
Amino Acid Sequence	
Accession	Q9P1W8
Species	Human

Sequence	<p>GEEELQMIQPEKLLLVTVGKTATLHCTVTSLLPVGPVL WFRGVGPGRELI YNQKEGHFPRVTTVSDLTKRNNMDFSIRISSITPADVGT YYCVKFRKGSP ENVEFKSGPGTEMALGAKPSAPVVLGPAARTTPEHTV SFTCESHGFSPRD ITLKWFKNGNELSDFQTNVDPTGQSVAYSIRSTARVVL DPWDVRSQVICE VAHVTLQGDPLRGTANLSEAIRVPPTLEVTQQPMRVG NQVNVTCQVRKFY PQSLQLTWSGENVCQRETASTLTENKDGTYNWTWSW FLVNISDQRDDVVL TCQVKHGDGQLAVSKRLALEVTVHQKDQSSDATPVDDI EGRMDEPKSCDKT HTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTC VVVDVSHEDPEV KFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLH QDWLNGKEYKCKV SNKALPAPIEKTISKAKGQPREPQVYTLPPSREEMTKN QVSLTCLVKGFY PSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKL TVDKSRWQQGNVF SCSVMHEALHNHYTQKSLSLSPGK</p>
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Molecular weight	64 kDa including tags
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Amino acids 28 to 360

Additional sequence information Fused with a FC tag at the C-terminus.

Specifications

Our [Abpromise guarantee](#) covers the use of **ab172854** 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 HPLC
Endotoxin level	1.000 Eu/μg
Purity	>95% by SDS-PAGE . Purity greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. ab172854 is 0.2 μM filtered.
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.4 Constituent: 100% PBS
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General Info

Function	Probable immunoglobulin-like cell surface receptor. On binding with CD47, mediates cell-cell adhesion. Engagement on T-cells by CD47 on antigen-presenting cells results in enhanced antigen-specific T-cell proliferation and costimulates T-cell activation.
Tissue specificity	Detected in liver, and at very low levels in brain, heart, lung, pancreas, kidney, placenta and skeletal muscle. Expressed on CD4+ T-cells, CD8+ T-cells, CD56-bright natural killer (NK) cells, CD20+ cells, and all activated NK cells. Mainly present in the paracortical T-cell area of lymph nodes, with only sparse positive cells in the mantle and in the germinal center of B-cell follicles. In the thymus, primarily expressed in the medulla on mature T lymphocytes that have undergone thymic selection.
Sequence similarities	Contains 2 Ig-like C1-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Membrane.

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