

Product datasheet

Recombinant human CD68 protein (Fc Chimera Active) ab214829

Description

Product name	Recombinant human CD68 protein (Fc Chimera Active)
Biological activity	Measured by its binding ability in a functional ELISA assay.
Purity	>= 98 % SDS-PAGE.
Endotoxin level	< 0.060 Eu/μg
Expression system	CHO cells
Accession	<u>P34810</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	<pre>NDCPHKKSATLLPSFTV/TPTVTESTGTTSHRTTKSHKTTTH RTTTTGTTT HGPTTATHNPTTTSHGNVTVHPTSNSTATSQGPSTATHSP ATTSHGNATV HPTSNSTATSPGFTSSAHPEPPPPSPSPSPTSKETIGDYT WTNGSQPCVH LQAQIQIRVMYTTQGGGEAWGISVLNPNKTKVQGSCEGAH PHLLLSFPYG HLSFGFMQDLQQKVYLSYMAVEYNVSFPHAAQWTFSA QNASLRDLQAPL GQSFSCSNSSIILSPAVHLDLLSLRLQAAQLPHTGVFGQSF SCPSDRS</pre>
Amino acids	22 to 319
Additional sequence information	Extracellular domain fused to the N-terminus of the Fc region of Human IgG1.

Specifications

Our **Abpromise guarantee** covers the use of **ab214829** 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 -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 Could play a role in phagocytic activities of tissue macrophages, both in intracellular lysosomal metabolism and extracellular cell-cell and cell-pathogen interactions. Binds to tissue- and organ-specific lectins or selectins, allowing homing of macrophage subsets to particular sites. Rapid recirculation of CD68 from endosomes and lysosomes to the plasma membrane may allow macrophages to crawl over selectin-bearing substrates or other cells.

Tissue specificity Highly expressed by blood monocytes and tissue macrophages. Also expressed in lymphocytes, fibroblasts and endothelial cells. Expressed in many tumor cell lines which could allow them to attach to selectins on vascular endothelium, facilitating their dissemination to secondary sites.

Sequence similarities Belongs to the LAMP family.

Post-translational modifications N- and O-glycosylated.

Cellular localization Cell membrane and Endosome membrane. Lysosome membrane.

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

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