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Anti-CD55-AcalephFluor647-labled

Catalog # AP101912

Product Information

Application	FC, IF/IC
Primary Accession	P08174
Reactivity	Human
Clonality	Monoclonal
Calculated MW	41400

Additional Information

Gene ID	1604
Other Names	CR; DAF; Complement decay-accelerating factor; CD antigen CD55
Target/Specificity	Recognizes human CD55
Dilution	FC~~1:10~50 IF/IC~~N/A
Format	Mouse IgG1. Liquid in PBS, pH 7.3, 0.2% BSA, and 0.02% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	CD55
Synonyms	CR, DAF
Function	This protein recognizes C4b and C3b fragments that condense with cell-surface hydroxyl or amino groups when nascent C4b and C3b are locally generated during C4 and c3 activation. Interaction of daf with cell-associated C4b and C3b polypeptides interferes with their ability to catalyze the conversion of C2 and factor B to enzymatically active C2a and Bb and thereby prevents the formation of C4b2a and C3bBb, the amplification convertases of the complement cascade (PubMed:7525274). Inhibits complement activation by destabilizing and preventing the formation of C3 and C5 convertases, which prevents complement damage (PubMed:28657829).
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein [Isoform 3]: Secreted [Isoform 5]: Secreted [Isoform 7]: Cell membrane; Lipid-anchor, GPI-anchor
Tissue Location	Expressed on the plasma membranes of all cell types that are in intimate contact with plasma complement proteins. It is also found on the surfaces of epithelial cells lining extracellular compartments, and variants of the

molecule are present in body fluids and in extracellular matrix

Background

AcalephFluor647-labled mouse monoclonal antibody to CD55

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.