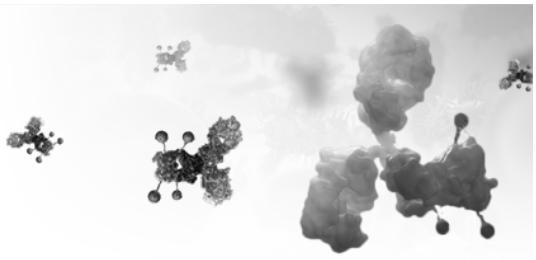

Anti-CD55 monoclonal antibody, clone BRIC216 (CABT-47934MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product recognises the CD55 antigen, a 70kD glycoprotein also known as Decay Accelerating Factor (DAF). Distributed on erythrocytes and other circulating blood cells and also on cells in non-haemopoietic tissue particularly epithelium and endothelium. Found specifically at the foetal-maternal interfaces in placenta.CD55 has reduced expression on individuals with paroxysmal nocturnal haemoglobinuria. This antibody has a functional binding affinity to erythrocytes of 8.7 x 107 M-1. The antigen is pronase and trypsin resistant and chymotrypsin sensitive. BRIC 216 recognises the consensus region 3 of the DAF molecule, which contains the functional site, and the antibody blocks the function of DAF. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul
Specificity	CD55
Immunogen	Human fibroblast cell line
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	BRIC216
Conjugate	Unconjugated
Applications	FC; FA; IP; WB
Format	Purified IgG - liquid
Size	200 µg
Preservative	See individual product datasheet

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Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	CD55 CD55 molecule, decay accelerating factor for complement (Cromer blood group) [Homo sapiens (human)]
Official Symbol	CD55
Synonyms	CD55; CD55 molecule, decay accelerating factor for complement (Cromer blood group); CR; TC; DAF; CROM; complement decay-accelerating factor; CD55 antigen;
Entrez Gene ID	1604
Protein Refseq	NP_000565
UniProt ID	P08174
Chromosome Location	1q32
Pathway	Class B/2 (Secretin family receptors); Complement Activation, Classical Pathway; Complement and coagulation cascades; Complement cascade; Defective ACTH causes Obesity and Pro-opiomelanocortinin deficiency (POMCD); Disease; GPCR ligand binding; Hematopoietic cell lineage;
Function	lipid binding; protein binding; virus receptor activity;

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