

Product datasheet for **SM1163P**

CD55 / DAF Mouse Monoclonal Antibody [Clone ID: BRIC216]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BRIC216
Applications:	FC, IP, WB
Recommended Dilution:	Flow Cytometry. Immunoprecipitation. Has been described for previous lots to work in Western blotting under non-reducing conditions.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human fibroblast cell line.
Specificity:	This antibody recognises the CD55 antigen. The antigen is pronase and trypsin resistant and chymotrypsin sensitive. CD55 antibody (clone BRIC216) recognises the consensus region 3 of the DAF molecule, which contains the functional site, and the antibody blocks the function of DAF. This antibody has a functional binding affinity to erythrocytes of 8.7×10^7 M ⁻¹ .
Formulation:	State: Purified State: Liquid purified IgG fraction with 0.09% Sodium Azide as preservative.
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein G.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD55 molecule (Cromer blood group)
Database Link:	Entrez Gene 1604 Human P08174



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Background: CD55 antigen is a 70 kD glycoprotein 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.

Synonyms: CR; CROM; DAF; TC