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Product datasheet for SM1144P

LFA3 (CD58) Mouse Monoclonal Antibody [Clone ID: BRIC-5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	BRIC-5
Applications:	FC, WB
Recommended Dilution:	Flow Cytometry: Use 10 µl of 1/10 diluted antibody to label 10e6 cells in 100 µl. Western Blot.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human erythrocytes.
Specificity:	BRIC5 was produced in response to erythrocytes. It reacts by Immunoblotting to non-reduced erythrocyte membranes. BRIC5 is an indirect haemagglutinin. The antigen on erythrocytes is Pronase sensitive. BRIC5 inhibits T cell rosetting.
Formulation:	State: Purified State: Liquid purified IgG containing 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:	CD58 molecule
Database Link:	Entrez Gene 965 Human P19256

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Background: CD58, or LFA-3, is a membrane glycoprotein of 55-70kD. It occurs in two forms, one transmembrane with a cytoplasmic domain, the other form anchored in the membrane via a glycosylphosphatidylinositol tail. The complete amino acid sequence of both forms has been deduced from cDNA. It is heavily N-glycosylated. CD58 is a cell adhesion molecule which plays a critical role in facilitation of antigen specific recognition through interaction with CD2 on T lymphocytes. It is a member of the immunoglobulin superfamily of molecules. CD58 has a wide tissue distribution, being present on erythrocytes, platelets, monocytes, a subset of lymphocytes, bone marrow cells, epithelium and endothelial cells. There are approximately 5,000 CD58 molecules on each erythrocyte. There is reduced expression of CD58 on haemopoietic cells in individuals with paroxysmal nocturnal haemoglobinuria.

Synonyms: Ag3, LFA-3