

Product datasheet for **SM3153APC**

CD44 Mouse Monoclonal Antibody [Clone ID: MEM-85]

Product data:

Product Type:	Primary Antibodies
Clone Name:	MEM-85
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of human blood cells using 10 µl reagent / 100 ml of whole blood or 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Leukocytes of a patient suffering from LGL Type Leukaemia
Specificity:	The antibody MEM-85 reacts with both cell surface-expressed and soluble form of CD44 antigen (Phagocyte glycoprotein 1), a 80-95 kDa transmembrane glycoprotein (hyaladherin family) present on the most of cells and tissues (leukocytes, endothelial cells, mesenchymal cells, etc.); it is negative on platelets and hepatocytes.
Formulation:	Phosphate buffered saline (PBS) containing 15 mM Sodium Azide Label: APC State: Liquid purified Ig fraction Label: Conjugated with cross-linked Allophycocyanin under optimum conditions
Purification:	Size-Exclusion Chromatography
Conjugation:	APC
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD44 molecule (Indian blood group)
Database Link:	Entrez Gene 960 Human P16070



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Background:

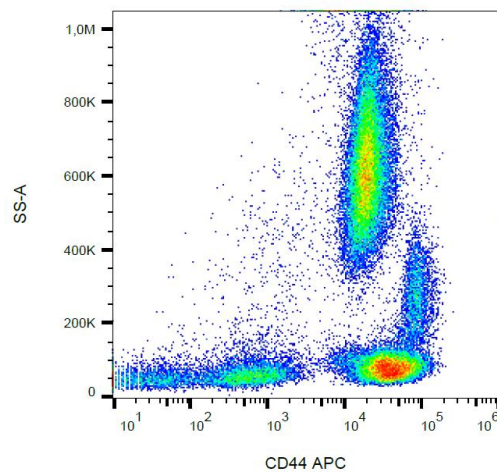
CD44 is a type 1 transmembrane glycoprotein also known as Phagocytic Glycoprotein 1 (pgp 1) and HCAM. CD44 is the receptor for hyaluronate and exists as a large number of different isoforms due to alternative RNA splicing. The major isoform expressed on lymphocytes, myeloid cells, and erythrocytes is a glycosylated type 1 transmembrane protein. Other isoforms contain glycosaminoglycans and are expressed on hematopoietic and non hematopoietic cells. CD44 is involved in adhesion of leukocytes to endothelial cells, stromal cells, and the extracellular matrix.

Synonyms:

LHR, MDU2, MDU3, MIC4, CDw44, Epican, ECMR-III, HUTCH-I, Heparan sulfate proteoglycan, Hermes antigen, Hyaluronate receptor, PGP-1

Note:

HLDA IV; WS Code NL 706
HLDA VI; WS Code AS Ref.15

Product images:

Surface staining of human peripheral blood cells with anti-human CD44 (MEM-85) APC.