

Product datasheet for **AM31185AF-N**

CD44 Mouse Monoclonal Antibody [Clone ID: B-F24]

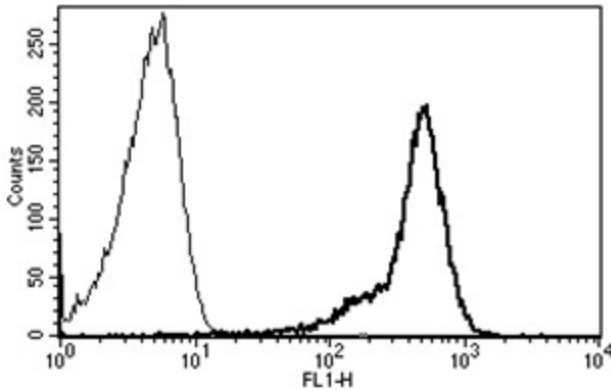
Product data:

Product Type:	Primary Antibodies
Clone Name:	B-F24
Applications:	ELISA, FC, FN, IP
Recommended Dilution:	Immunoprecipitation. Flow Cytometry. Functional Assay: Triggers T Lymphocyte Aggregation. Enhances hyaluronan binding to CD44.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	U937 cell line
Specificity:	Recognises the soluble Hyaluronate Cell Adhesion Molecule (H-CAM), a 85-250 kDa protein.
Formulation:	Phosphate-buffered saline. Sterile-filtered through 0.22 µm. Carrier and preservative free. State: Azide Free State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Ion Exchange Chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
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
- Protein Families:** Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transmembrane
- Protein Pathways:** ECM-receptor interaction, Hematopoietic cell lineage
- Product images:**



A typical staining pattern with the B-F24 monoclonal antibody of lymphocytes