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30-1126: Anti-CD44 / Pgp-1 Monoclonal Antibody (Clone:MEM-85)

Clonality :	Monoclonal
Clone Name :	MEM-85
Application :	FACS, IP, WB, ELISA
Reactivity :	Human
Gene :	CD44
Gene ID :	960
Uniprot ID :	P16070
Format :	Purified
Alternative Name :	CD44,LHR,MDU2,MDU3,MIC4
Isotype :	Mouse IgG2b
Immunogen Information :	Leukocytes of a patient suffering from LGL Type Leukaemia.

Description

CD44 is a transmembrane glycoprotein expressed on the surface of most cells, which serves as a receptor for hyaluronan. CD44 mediates angiogenesis, cell adhesion, proliferation and migration, it is thus important for lymphocyte activation, recirculation and homing, it can thus serve e.g. as a modulator of macrophage recruitment in response to pathogen. Although CD44 functions are essential for physiological activities of normal cells, elevated CD44 expression correlates with poor prognosis in many carcinomas, facilitating tumour growth and metastasis, antiapoptosis and directional motility of cancer cells.

Product Info

Amount :	0.1 mg
Purification :	Purified by protein-A affinity chromatography
Storage condition :	Store at 2-8°C. Do not freeze.

Application Note

Flow Cytometry *Recommended dilution:*1 ÃÂµg/ml
Immunoprecipitation Western Blotting *Recommended dilution:* 2 ÃÂµg/ml, 60 min on vertical incubator
Positive control: Kg-1a human leukemia cell lysate
Sample preparation: Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non-reducing SDS-PAGE sample buffer.
Application note: Non-reducing conditions. SDS-PAGE (6% separating gel).
ELISA

For Research Use Only. Not for use in diagnostic/therapeutics procedures.