

11-221-C100

## Monoclonal Antibody to CD44 Purified Antibody (0.1 mg)

<b>Clone:</b>	MEM-85
<b>Isotype:</b>	Mouse IgG2b
<b>Specificity:</b>	<p>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.</p> <p>HLDA IV; WS Code NL 706 HLDA VI; WS Code AS Ref.15</p>
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Leukocytes of a patient suffering from LGL Type Leukaemia.
<b>Species Reactivity:</b>	Human
<b>Application:</b>	<p>Flow Cytometry Recommended dilution: 1 µg/ml Immunoprecipitation Western Blotting Recommended dilution: 2 µg/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</p>
<b>Purity:</b>	> 95% (by SDS-PAGE)
<b>Purification:</b>	Purified by protein-A affinity chromatography
<b>Concentration:</b>	1 mg/ml
<b>Storage Buffer:</b>	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
<b>Storage / Stability:</b>	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	<p>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.</p>

**For laboratory research only, not for drug, diagnostic or other use.**

**Antibodies****References:**

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