

11-231-C025

## Monoclonal Antibody to CD56 Purified Antibody (0.025 mg)

<b>Clone:</b>	MEM-188
<b>Isotype:</b>	Mouse IgG2a
<b>Specificity:</b>	<p>The antibody MEM-188 reacts with a 180 kDa isoform of CD56 (NCAM) expressed in leukocytes. It has been suggested that the antibody MEM-188 could react with rhesus monkey lymphocytes. Reactivity with other NCAM isoforms has not been tested.</p> <p>HLDA VI; WS code A055 HLDA VI; WS Code NK26 HLDA VII; WS code 70077</p>
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	KG-1 human acute myelogenous leukemia cell line
<b>Species Reactivity:</b>	Human, Non-Human Primates
<b>Application:</b>	<p>Flow Cytometry Recommended dilution: 3 µg/ml Immunoprecipitation Immunohistochemistry (paraffin sections) Recommended dilution: 1:50 Pretreatment: Heat retrieval (microwave oven) in citrate buffer, standard ABC visualization. Positive tissue: Positive membrane-specific reaction in adjacent peripheral nerve staining of paraprostatic autonomic ganglion. Staining technique: Standard ABC technique (DAB+).</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>CD56 (NCAM, neural cell adhesion molecule) is a transmembrane glycoprotein of immunoglobulin family serving as adhesive molecule which is ubiquitously expressed in nervous system, usually as 120 kDa, 140 kDa or 180 kDa isoform, and it is also found on T cells and NK cells. Polysialic modification results in reduction of CD56-mediated cell adhesion and is involved in cell migration, axonal growth, pathfinding and synaptic plasticity. CD56 is a widely used neuroendocrine marker with a high sensitivity for neuroendocrine tumours and ovarian granulosa cell tumours.</p>

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

**Antibodies****References:**

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