



11-226-C100

Monoclonal Antibody to CD48 Purified Antibody (0.1 mg)

Clone:	MEM-102
Isotype:	Mouse IgG1
Specificity:	The antibody MEM-102 reacts with CD48 antigen (Blast-1), a 40-47 kDa GPI-anchored membrane protein (immunoglobulin supergene family) widely expressed on hematopoietic cells; it is negative on granulocytes, platelets and erythrocytes. HLDA V; WS Code AS S014
Regulatory Status:	RUO
Immunogen:	Raji human Burkitt's lymphoma cell line
Species Reactivity:	Human, Non-Human Primates
Application:	Flow Cytometry Recommended dilution: 2 µg/ml Immunoprecipitation Western Blotting Immunohistochemistry (paraffin sections)
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified by protein-A affinity chromatography
Concentration:	1 mg/ml
Storage Buffer:	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Storage / Stability:	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.
Expiration:	See vial label
Lot Number:	See vial label
Background:	CD48 (Blast-1) belongs to the CD2 subset of the Ig superfamily, which includes CD2, CD2F-10, CD58, CD84, CD150, CD229, CD244 and others. These molecules bind to the same or another members of their family, thus mediate homotypic or heterotypic adhesion. CD48 is a GPI-anchored protein broadly expressed on hematopoietic cells and serves as a high affinity ligand for 2B4 and low affinity ligand for CD2. 2B4-CD48 interaction among NK cells and NK-T cells regulates cell proliferation. Signaling through CD48 results in eosinophil activation and CD48 expression is increased in several infectious diseases.

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

**Antibodies**

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