

11-226-C025

## Monoclonal Antibody to CD48 Purified Antibody (0.025 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.



## PRODUCT DATA SHEET

## References:

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