



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Human CD18 Beta-2 Integrin Subunit

Monoclonal antibody MEM-48 recognizes the $\beta 2$ integrin subunit that pairs with each of four distinctive CD11 α subunits to form the CD11/CD18 integrin heterodimers. MEM-48 potently promoted adhesion of LFA-1/K562 transfectants and neutrophils to their respective immobilized ligands, suggesting it to be one of the select class of monoclonal antibodies which can act on the ectodomain of the integrin to induce adhesion. Expression of the epitope recognized by MEM-48 is minimal on $\beta 2$ integrin transfectants, T cells, eosinophils, monocytes and neutrophils.

Product Number:	T-1039
Clone:	MEM-48
Host species, isotype:	Mouse IgG1
Quantity:	200 μ g
Format:	Diluted ascites, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.4mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.05% sodium azide as a preservative.
Stability:	Original vial: 1 year at 4° - 8°C Stock solution or aliquots thereof: 1 year at -20°C. Avoid repeated thawing and freezing.
Applications:	Tested for immunohistochemistry (IHC); has been described to work in FACS, immunoprecipitation, Western Blots (non-reduced). Approximate working dilution for IHC: Frozen sections: 0.2 μ g/ml (1:2000) Paraffin sections: not tested Optimal dilutions should be determined by the end user. Suggested positive control: Human tonsil. Antigen, epitope: The antigen is CD18, the epitope has not been further characterized.



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Selected references

BAZIL, V. et al.: *Folia Biol.* **36**, 41 (1990)

BINNERTS, M.E. et al.: *Eur. J. Immunology* **24**, 2155 (1994)

For in vitro research only. Caution: this product contains sodium azide, a poisonous and hazardous substance.