



Peninsula Laboratories, LLC

A Member of the Bachem Group

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Monoclonal Antibody To Mouse Bone Marrow Cells Marker For Macrophages, Dendritic Cells And Granulocytes

Monoclonal antibody 88a is a useful activation marker for tissue staining and FACS analysis in various murine models. The antigen is a 200kD (glyco-)protein with unknown function. The antigen is expressed at low levels by bone marrow monocytes and granulocytes, and increases upon maturation *in vitro*. The expression is also enhanced after MIF treatment of macrophages. The antigen is displayed by both immature and mature Kupffer cells.

Product Number:	T-2005
Clone:	88a
Host species, isotype:	Rat IgG2a
Quantity:	100µg
Format:	Affinity purified, lyophilized Reconstitute by adding 0.5ml distilled water. This stock solution contains 0.2mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 10mg/ml bovine serum albumin (BSA) as a stabilizer and 0.01% thimerosal 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. Approximate working dilution for IHC: Frozen sections: 2µg/ml (1:100) Paraffin sections: not tested Optimal dilutions should be determined by the end user. Suggested positive control: Mouse spleen.
Immunogen:	Supernatant of stimulated lymphocytes.
Antigen, epitope:	The antigen is associated with activated macrophages.
Antigen distribution:	Isolated cells: The antigen is found on granulocytes, monocytes and bone marrow cells. Tissue sections: The 88a antigen is found on dendritic cells in T- and B-cell areas as well as on marginal zone macrophages in lymphoid tissues. Typical macrophages in other organs show less or no expression of the 88a antigen.
Specificity:	Mouse: Macrophages, dendritic cells, granulocytes. Other species: unknown



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Selected references

Michels E. et al.: Phenotypic alterations induced in macrophages by migration inhibitory factors. In: Cellular and Molecular Biology of Lymphokines (C. Sorg & A. Schimpel, ed.), p 321-25 (1985):

Freudenberg, N. et al.: The role of macrophages in the uptake of endotoxin by the mouse liver.

Virchows Archiv B Cell Pathol. Incl. Mol. Pathol. **61**: 343-49 (1992)

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