



BMA BIOMEDICALS

BMA BIOMEDICALS
Rheinstrasse 28-32
CH-4302 Augst (Switzerland)
Phone: ++41 61 811 6222
Fax: ++41 61 811 6006
info@bma.ch
www.bma.ch

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 (Lot 05PO9406)

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.

Please see www.bma.ch for protocols and general information.

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

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.