BMA BIOMEDICALS

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.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

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 from date of purchase.
	Stock solution or aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
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
Protein database:	mouse-Q9QWK4
Antigen, epitope:	The antigen is associated with activated macrophages.

©2024 BMA BIOMEDICALS, Rheinstrasse 28-32, CH-4302 Augst (Switzerland)
Phone: +41 61 811 6222, Email: info@bma.ch, www.bma.ch

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. This product contains Thimerosal as a preservative.

©2024 BMA BIOMEDICALS, Rheinstrasse 28-32, CH-4302 Augst (Switzerland)
Phone: +41 61 811 6222, Email: info@bma.ch, www.bma.ch