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AM26130PU-N Monoclonal Antibody to Activated Macrophages - Aff - Purified

Quantity: 0.1 mg

Background: 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.

Host / Isotype: Rat / IgG2a

Clone: 88a

Immunogen: Supernatant of stimulated lymphocytes

Format:
State: Lyophilized Ig fraction
Purification: Affinity chromatography
Buffer System: 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.
Reconstitution: Reconstitute by adding 0.5ml distilled water.

Applications:
Immunohistochemistry on frozen sections: 2 µg/ml (1:100).
Has been described to work in FACS.
Suggested positive control: Mouse spleen.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody detects Macrophages, dendritic cells, granulocytes.

Species Reactivity: **Tested:** Mouse

Add. Information:
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.

Storage:
Prior to reconstitution store at 2-8°C. Following reconstitution store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:
1. 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).
2. Freudenberg N, Piotraschke J, Galanos C, Sorg C, Askaryar FA, Klosa B, et al. The role of macrophages in the uptake of endotoxin by the mouse liver. Virchows Arch B Cell Pathol Incl Mol Pathol. 1992;61(5):343-9. PubMed PMID: 1348896.

Pictures:

Immunohistochemistry on frozen sections: Clone 88a on mouse spleen.