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Monoclonal Antibody to CD206 / MRC1 - FITC

Alternate names: C-type lectin domain family 13 member D, C-type lectin domain family 13 member D-like, CLEC13D, CLEC13DL, MRC1L1, Macrophage mannose receptor 1, Macrophage mannose receptor 1-like protein 1

Catalog No.: SM1857F

Quantity: 0.1 mg

Concentration: 0.1 mg/ml

Background: CD206 is expressed on most tissue macrophages, in vitro derived dendritic cells, lymphatic and sinusoidal endothelia.

Uniprot ID: Q61830

NCBI: NP_032651.2

GeneID: 17533

Host / Isotype: Rat / IgG2a

Clone: MR5D3

Immunogen: Chimaeric CRD4-7-Fc protein.
Remarks: Spleen cells from immunised Fischer rats were fused with cells of the Y3 myeloma cell line.

Format:
State: Liquid purified IgG fraction
Purification: Affinity Chromatography on Protein G
Buffer System: PBS, pH 7.4 containing 0.09% Sodium Azide and 1% BSA
Label: FITC – Fluorescein Isothiocyanate Isomer 1

Applications:
Flow Cytometry: Use 10 µl of neat antibody to label 10e6 cells.
CD206 is expressed weakly at the cell surface. Staining may be increased following membrane permeabilisation.
Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody recognizes the Mannose Receptor, a 175kD type 1 membrane protein that is also known as CD206.
Clone MR5D3 has been reported to be non-inhibitory for the binding of the mannose receptor to carbohydrate ligands.
Species: Mouse.
Other species not tested.

Storage: Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.
Avoid repeated freezing and thawing.
This product is photosensitive and should be protected from light.
Shelf life: one year from despatch.

General References: 1. Martinez-Pomares, L. et al. (2003) Analysis of mannose receptor regulation by IL-4, IL-10 and proteolytic processing using novel monoclonal antibodies. J. Leuk. Biol. 73: 604-613.
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