

Product datasheet

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ARG55554 anti-CD206 / MMR antibody [15-2]

Package: 100 μg Store at: -20°C

Summary

Product Description Mouse Monoclonal antibody [15-2] recognizes CD206 / MMR

Tested Reactivity Hu, Ms

Tested Application CyTOF®-candidate, FACS, FuncSt, ICC/IF, IHC-Fr, IP, WB

Specificity This antibody recognizes an extracellular epitope of CD206 (macrophage mannose receptor, MMR), a

162-175 kDa type I transmembrane protein expressed mainly on macrophages, dendritic cells and

hepatic or lymphatic endothelial cells, but not on monocytes.

Host Mouse

Clonality Monoclonal

Clone 15-2

Isotype IgG1

Target Name CD206 / MMR

Species Human

Immunogen Purified Human mannose receptor (NP_002429.1)

Conjugation Un-conjugated

Alternate Names CLEC13D; C-type lectin domain family 13 member D; Macrophage mannose receptor 1-like protein 1; C-

type lectin domain family 13 member D-like; MMR; CLEC13DL; CD206; Macrophage mannose receptor

1; bA541I19.1; CD antigen CD206; MRC1L1

Application Instructions

| Application table | Application | Dilution |
|-------------------|--|--|
| | CyTOF®-candidate | Assay-dependent |
| | FACS | 1 - 4 μg/ml |
| | FuncSt | Assay-dependent |
| | ICC/IF | Assay-dependent |
| | IHC-Fr | 1:25 |
| | IP | Assay-dependent |
| | WB | Assay-dependent |
| Application Note | IHC-Fr: Incubate with the antibo * The dilutions indicate recomm should be determined by the sci | ended starting dilutions and the optimal dilutions or concentrations |

Properties

Purification Purification with Protein A.

Purity > 95% (by SDS-PAGE)

Buffer PBS (pH 7.4) and 15 mM Sodium azide

Preservative 15 mM Sodium azide

Concentration 1 mg/ml

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links GeneID: 17533 Mouse

GeneID: 4360 Human

Swiss-port # P22897 Human

Swiss-port # Q61830 Mouse

Gene Symbol MRC1

Gene Full Name mannose receptor, C type 1

Background The recognition of complex carbohydrate structures on glycoproteins is an important part of several

biological processes, including cell-cell recognition, serum glycoprotein turnover, and neutralization of

pathogens. CD206 / MMR is a type I membrane receptor that mediates the endocytosis of

glycoproteins by macrophages. The protein has been shown to bind high-mannose structures on the surface of potentially pathogenic viruses, bacteria, and fungi so that they can be neutralized by

phagocytic engulfment. [provided by RefSeq, Sep 2015]

Function CD206 / MMR mediates the endocytosis of glycoproteins by macrophages. Binds both sulfated and non-

sulfated polysaccharide chains.

(Microbial infection) Acts as phagocytic receptor for bacteria, fungi and other pathogens.

(Microbial infection) Acts as a receptor for Dengue virus envelope protein E.

(Microbial infection) Interacts with Hepatitis B virus envelope protein. [UniProt]

Highlight Related Antibody Duos and Panels:

ARG30333 M1/M2/TAM Marker Antibody Panel

Related products:

CD206 antibodies; CD206 ELISA Kits; CD206 Duos / Panels; Anti-Mouse IgG secondary antibodies;

Related news:

CyTOF-candidate Antibodies

New antibody panels and duos for Tumor immune microenvironment

Tumor-Infiltrating Lymphocytes (TILs)

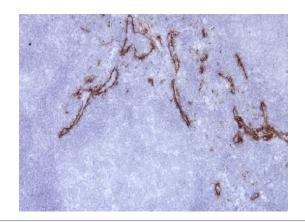
Anti-SerpinB9 therapy, a new strategy for cancer therapy

RIP1 activation and pathogenesis of NASH

Research Area Immune System antibody; M1/M2/TAM Marker antibody; Macrophage Marker antibody; M2

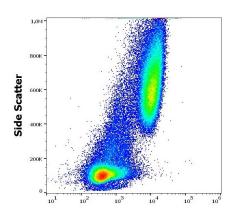
Macrophage Marker antibody

Calculated Mw 166 kDa



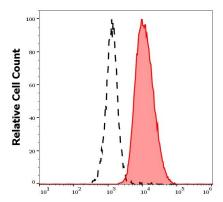
ARG55554 anti-CD206 / MMR antibody [15-2] IHC-Fr image

Immunohistochemistry: Frozen section of Human tonsil tissue stained with ARG55554 anti-CD206 / MMR antibody [15-2] at 1:25 dilution. The antibody stains endothelia of lymph vessels strongly.



ARG55554 anti-CD206 / MMR antibody [15-2] FACS image

Flow Cytometry: Stimulated (GM-CSF + IL-4) human peripheral blood mononuclear cells stained with ARG55554 anti-CD206 / MMR antibody [15-2] at 9 $\mu g/ml$ dilution, followed by PE-conjugated Goat anti-Mouse antibody.



ARG55554 anti-CD206 / MMR antibody [15-2] FACS image

Flow Cytometry: Separation of human CD206 positive dendritic cells differentiated upon monocyte stimulation (GM-CSF + IL-4) (red-filled) from non-stimulated lymphocytes (black-dashed). Human stimulated (GM-CSF + IL-4) peripheral blood mononuclear cells stained with ARG55554 anti-CD206 / MMR antibody [15-2] at 9 $\mu g/ml$ dilution, followed by PE-conjugated Goat anti-Mouse antibody.