

TECHNICAL DATA SHEET

CyFlow™ CD206 Purified Anti-Hu; Clone 15-2

REF CU071824

For Research Use Only.
Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CD206
Alternative Names	CLEC13D, Macrophage mannose receptor
Clone	15-2
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG1
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	Purified human mannose receptor

Specificity

The mouse monoclonal antibody 15-2 (also known as MR15-2) recognizes CD206 antigen, a 162-175 kDa type I transmembrane protein expressed mainly on macrophages, dendritic cells and hepatic or lymphatic endothelial cells, but not on monocytes.

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Immunoprecipitation
- Western blot
- Immunohistochemistry (frozen sections)
- Immunocytochemistry
- Functional assays

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH $\approx$ 7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CD206 (MMR; macrophage mannose receptor or MRC1; mannose receptor C1) is a type I transmembrane glycoprotein serving as pattern recognition receptor for carbohydrate groups on the surface of bacteria, fungi and other pathogens. Expressed mainly on tissue macrophages and dendritic cells, CD206 mediates endocytosis of these pathogens and presentation of their antigens to the adaptive immune system. CD206 can also be detected in a soluble form in human plasma and is elevated in patients with acute sepsis.

References

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The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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