

## Monoclonal Antibody to CD206 Alexa Fluor® 647 conjugated (100 tests)

<b>Clone:</b>	15-2
<b>Isotype:</b>	Mouse IgG1
<b>Specificity:</b>	The mouse monoclonal antibody 15-2 (also known as MR15-2) recognizes 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. HLDA VII; WS Code 70802
<b>Regulatory Status:</b>	RUO
<b>Immunogen:</b>	Purified human mannose receptor
<b>Species Reactivity:</b>	Human
<b>Preparation:</b>	The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
<b>Storage Buffer:</b>	The reagent is provided in stabilizing phosphate buffered saline (PBS) solution containing 15mM sodium azide.
<b>Storage / Stability:</b>	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.
<b>Usage:</b>	The reagent is designed for Flow Cytometry analysis of human blood cells using 4 µl reagent / 100 µl of whole blood or $10^6$ cells in a suspension. The content of a vial (0.4 ml) is sufficient for 100 tests.
<b>Expiration:</b>	See vial label
<b>Lot Number:</b>	See vial label
<b>Background:</b>	CD206 (macrophage mannose receptor, MMR), also known as mannose receptor C1 (MRC1), 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.

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



Antibodies

## References:

- \*Sindrilaru A, Peters T, Wieschalka S, Baican C, Baican A, Peter H, Hainzl A, Schatz S, Qi Y, Schlecht A, Weiss JM, Wlaschek M, Sunderkötter C, Scharfffetter-Kochanek K: An unrestrained proinflammatory M1 macrophage population induced by iron impairs wound healing in humans and mice. *J Clin Invest.* 2011 Mar;121(3):985-97.
- \*Torrelles JB, Azad AK, Schlesinger LS: Fine discrimination in the recognition of individual species of phosphatidyl-myo-inositol mannosides from *Mycobacterium tuberculosis* by C-type lectin pattern recognition receptors. *J Immunol.* 2006 Aug 1;177(3):1805-16.
- \*Sturge J, Todd SK, Kogianni G, McCarthy A, Isacke CM: Mannose receptor regulation of macrophage cell migration. *J Leukoc Biol.* 2007 Sep;82(3):585-93.
- Chang YC, Hsu TL, Lin HH, Chio CC, Chiu AW, Chen NJ, Lin CH, Hsieh SL: Modulation of macrophage differentiation and activation by decoy receptor 3. *J Leukoc Biol.* 2004 Mar;75(3):486-94.
- \*Shan M, Klasse PJ, Banerjee K, Dey AK, Iyer SP, Dionisio R, Charles D, Campbell-Gardener L, Olson WC, Sanders RW, Moore JP: HIV-1 gp120 mannosides induce immunosuppressive responses from dendritic cells. *PLoS Pathog.* 2007 Nov;3(11):e169.
- \*Mason et al.: *Leucocyte Typing VII*, Oxford University Press, 2002

Unless indicated otherwise, all products are For Research Use Only and not for diagnostic or therapeutic use. Not for resale or transfer either as a stand-alone product or as a component of another product without written consent of EXBIO. EXBIO will not be held responsible for patent infringement or other violations that may occur with the use of our products. All orders are accepted subject to EXBIO's term and conditions which are available at [www.exbio.cz](http://www.exbio.cz).

This product is provided under an agreement between Molecular Probes, Inc. (a wholly owned subsidiary of Invitrogen Corporation), and Exbio Praha, a.s., and the manufacture, use, sale or import of this product may be subject to one or more U.S. patents, pending applications, and corresponding non-U.S. equivalents, owned by Molecular Probes, Inc. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product in research conducted by the buyer (whether the buyer is an academic or for-profit entity), including use in flow cytometry that does not utilize a bead based array, but excluding use in combination with microarrays or High Content Screening. The buyer cannot sell or otherwise transfer (a) this product (b) its components or (c) materials made using this product or its components to a third party or otherwise use this product or its components or materials made using this product or its components for Commercial Purposes. Commercial Purposes means any activity by a party for consideration and may include, but is not limited to: (1) use of the product or its components in manufacturing; (2) use of the product or its components to provide a service, information, or data; (3) use of the product or its components for therapeutic, diagnostic or prophylactic purposes; or (4) resale of the product or its components, whether or not such product or its components are resold for use in research. For information on purchasing a license to this product for any other use, contact Molecular Probes, Inc., Business Development, 29851 Willow Creek Road, Eugene, OR 97402, USA, Tel: (541) 465-8300. Fax: (541) 335-0504.

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