

## Anti-Mannose Receptor/MRC1 Picoband® Antibody PE Conjugated

Catalog Number: A02285-2-PE

### About MRC1

The mannose receptor (Cluster of Differentiation 206, CD206) is a C-type lectin primarily present on the surface of macrophages, immature dendritic cells and liver sinusoidal endothelial cells, but is also expressed on the surface of skin cells such as human dermal fibroblasts and keratinocytes. It is mapped to 10p12.33. 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. The protein encoded by this gene 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.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-Mannose Receptor/MRC1 Picoband® Antibody PE Conjugated  |
| Reactive Species     | Human, Monkey, Mouse, Rat  |
| Application          | Recommended applications are based on the parent unconjugated antibody (ELISA, IF, IHC, WB). Customers may select suitable applications according to their experimental needs. |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .   |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.   |
| Host                 | Rabbit   |
| Uniprot ID           | P22897   |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human Mannose Receptor/MRC1 recombinant protein (Position: D21-A1140). |
| Cross Reactivity | No cross-reactivity with other proteins.  |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | PE<br>Excitation Wavelength: 566 nm<br>Emission Wavelength: 574 nm                    |
|                  |   |

Suggested Dilutions

Optimal dilutions should be determined by end users.

## 8 Publications Citing This Product

1. PubMed ID: 10.1186/s13287-021-02392-9, IL-1beta pre-stimulation enhances the therapeutic effects of endometrial regenerative cells on experimental colitis
2. PubMed ID: 10.1155/2020/2462039, Protective Effects of Two Safflower Derived Compounds, Kaempferol and Hydroxysafflor Yellow A, on Hyperglycaemic Stress-Induced Podocyte Apoptosis via Modulating of Macrophage M1/M2 Polarization
3. PubMed ID: 10.1155/2020/8263598, Protective Effects of Thalidomide on High-Glucose-Induced Podocyte Injury through In Vitro Modulation of Macrophage M1/M2 Differentiation

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