



20150116ML

Anti-Human CD163 (#6J58)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

Cat.-no.:	101-M291
Size:	100 µg
Lot. No.:	According to product label

Preparation: This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of CD163 extracellular domain.

Target Background

Synonyms (Target):	CD163; M130; MM130
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CD163, also known as hemoglobin scavenger receptor, is a type I transmembrane protein expressed exclusively in monocytes and macrophages. It is a scavenger receptor cysteine-rich superfamily (SRCR-SF) protein that contains nine SRCR motifs in its extracellular region. Two alternatively spliced cytoplasmic variants of human CD163 exist. A soluble form of CD163 can also be released by metalloproteinase-mediated shedding of the extracellular domain. CD163 mediates the endocytosis of haptoglobin-hemoglobin complexes.

Database References Target

Protein RefSeq:	NP_004235.4
Uniprot ID:	Q86VB7
mRNA RefSeq:	NM_004244

Product Specifications

Host	Mouse
Reactivity against	Human
Clonality	Monoclonal Antibody
Clone	(#6J58)
Isotype	IgG1
Purification	Protein G chromatography
Antigen	Human recombinant CD163 EC domain
Formulation	lyophilized
Reconstitution buffer	PBS (sterile)

Reconstitution: Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

Stability: Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

Remarks: This antibody was selected for its ability to detect human CD163.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

Applications

The antibody can be used within the following applications:

WB, FC

Recommended usage:

WB: 1:500-1000

FC: 1:20-100

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!