

Product datasheet for **BM4001F**

CD163 Mouse Monoclonal Antibody [Clone ID: ED2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	ED2
Applications:	FC
Recommended Dilution:	Flow Cytometry: Use 10 µl of neat-1/10 diluted antibody to label 10 ⁶ cells in 100 µl.
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Rat Spleen cell homogenate. Spleen cells from immunised BALB/c mice were fused with cells of the SP2/0-Ag 14 mouse myeloma cell line.
Specificity:	<p>This antibody recognizes the CD163 cell surface glycoprotein, a 175 kD molecule also known as ED2.</p> <p>Mouse anti Rat CD163, clone ED2 recognizes the rat ED2 cell surface glycoprotein (Dijkstra et al. 1985).</p> <p>A 175 kDa molecule also known as rat CD163, a member of the group B scavenger receptor cysteine-rich (SRCR) family and an erythroblast adhesion receptor (Fabriek et al. 2007).</p> <p>Mouse anti Rat CD163, clone ED2 was shown to detect approximately 50% of peritoneal macrophages, a subset of splenic macrophages, and most tissue macrophages. However, no staining was observed in monocytes or alveolar macrophages (Dijkstra et al. 1985, Beelen et al. 1987). In freshly isolated bone marrow, expression of CD163 was limited to mature macrophages only (Barbe et al. 1990).</p>
Formulation:	<p>PBS, pH 7.2, containing 0.09% Sodium Azide and 1% BSA</p> <p>Label: FITC</p> <p>State: Liquid purified IgG fraction</p> <p>Label: Fluorescein Isothiocyanate Isomer 1</p>
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	FITC



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Storage: Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

Gene Name: CD163 molecule

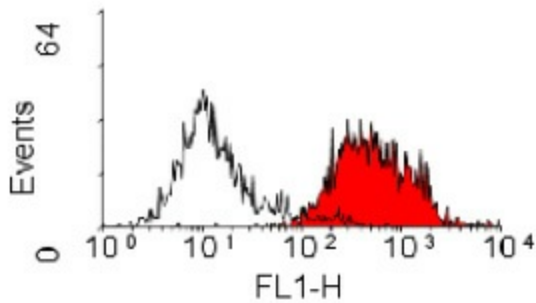
Database Link: [Entrez Gene 9332 Human Q86VB7](#)

Background: CD163 is expressed by approximately 50% of peritoneal macrophages, a subset of splenic macrophages, and by macrophages in most other tissues. However, it is not expressed by monocytes, alveolar macrophages or microglial cells.

Synonyms: M130, Hemoglobin scavenger receptor, Macrophage marker

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Product images:



Staining of rat peritoneal macrophages with
MOUSE ANTI RAT CD163: FITC