

Datasheet for ABIN888819

anti-CD163 antibody (AA 1001-1121) (AbBy Fluor® 350)[Go to Product page](#)**1** Publication

Overview

Quantity:	100 µL
Target:	CD163
Binding Specificity:	AA 1001-1121
Reactivity:	Human, Mouse, Rat, Pig, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD163 antibody is conjugated to AbBy Fluor® 350
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human CD163/M130
Isotype:	IgG
Cross-Reactivity:	Dog, Human, Mouse, Pig, Rat
Predicted Reactivity:	Horse
Purification:	Purified by Protein A.

Target Details

Target:	CD163
Alternative Name:	Cd163/M130 (CD163 Products)

Target Details

Background:	<p>Synonyms: M13, MM13, Scavenger receptor cysteine-rich type 1 protein M13, Hemoglobin scavenger receptor, CD163, M130</p> <p>Background: Acute phase-regulated receptor involved in clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages and may thereby protect tissues from free hemoglobin-mediated oxidative damage. May play a role in the uptake and recycling of iron, via endocytosis of hemoglobin/haptoglobin and subsequent breakdown of heme. Binds hemoglobin/haptoglobin complexes in a calcium-dependent and pH -dependent manner. Exhibits a higher affinity for complexes of hemoglobin and multimeric haptoglobin of HP*1F phenotype than for complexes of hemoglobin and dimeric haptoglobin of HP*1S phenotype. Induces a cascade of intracellular signals that involves tyrosine kinase-dependent calcium mobilization, inositol triphosphate production and secretion of IL6 and CSF1. Isoform 3 exhibits the higher capacity for ligand endocytosis and the more pronounced surface expression when expressed in cells. After shedding, the soluble form (sCD163) may play an anti-inflammatory role, and may be a valuable diagnostic parameter for monitoring macrophage activation in inflammatory conditions.</p>
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Gene ID:	9332
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UniProt:	Q86VB7
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Application Details

Application Notes:	FCM 1:20-100 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

Handling

handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months

Publications

Product cited in: Jacobsen, Mentzel, Olesen, Huby, Jørgensen, Barrès, Fredholm, Simar: "Altered Methylation Profile of Lymphocytes Is Concordant with Perturbation of Lipids Metabolism and Inflammatory Response in Obesity." in: **Journal of diabetes research**, Vol. 2016, pp. 8539057, (2016) ([PubMed](#)).