

Product datasheet for **TA506380M**

CD163 Mouse Monoclonal Antibody [Clone ID: OTI2G12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2G12
Applications:	IF, IHC, WB
Recommended Dilution:	WB 1:1000, IF 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human CD163(NP_004235) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	125.3 kDa
Gene Name:	CD163 molecule
Database Link:	NP_004235 Entrez Gene 9332 Human Q86VB7



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Background:

The protein encoded by this gene is a member of the scavenger receptor cysteine-rich (SRCR) superfamily, and is exclusively expressed in monocytes and macrophages. It functions as an acute phase-regulated receptor involved in the clearance and endocytosis of hemoglobin/haptoglobin complexes by macrophages, and may thereby protect tissues from free hemoglobin-mediated oxidative damage. This protein may also function as an innate immune sensor for bacteria and inducer of local inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Aug 2011]

Synonyms:

M130; MM130; SCAR11

Protein Families:

Druggable Genome, Secreted Protein, Transmembrane

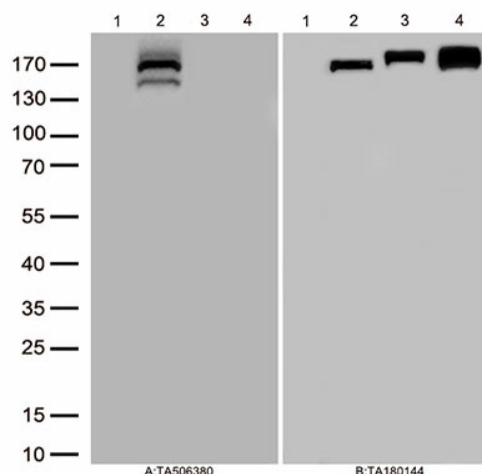
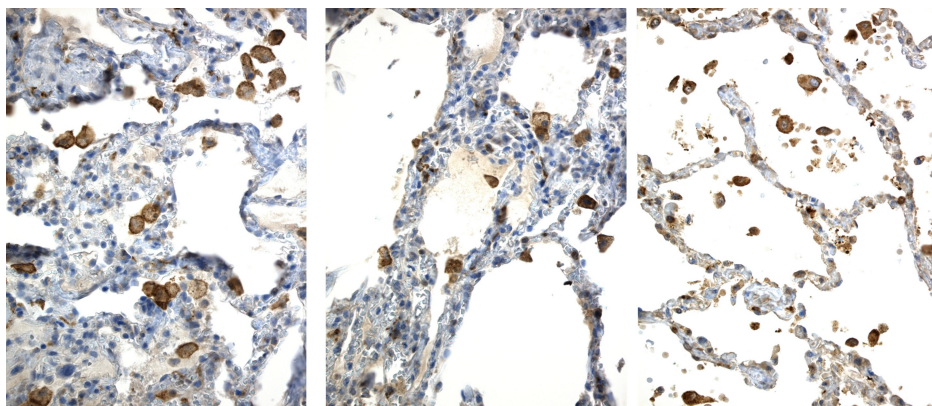
Product images:


Figure A, Western blot analysis of overexpressed lysates(25ug per lane) from HEK293T cells transfected with empty plasmid ([PS100001], lane 1) , human CD163 plasmid ([RC208557], lane 2), mouse CD163 plasmid ([MR216798], lane 3) , rat CD163 plasmid ([RR206586], lane 4) using anti-CD163 antibody [TA506380] (1:500). Figure B, Western blot analysis of the same samples as figure A with anti-DDK antibody ([TA180144], 1:1000)



Immunohistochemical staining of three paraffin-embedded normal lungs using anti-CD163 antibody [TA506380] clone OTI2G12 mouse monoclonal antibody. Protocol used HIER TEE pH9.0 (cat# [B21-100]) and anti-CD163 at 1:100 dilution. Detection was done with Polink1 Broad Mouse and Rabbit C/N [D11-18] with DAB Kit. Image 40x magnification.