

### Anti-CD163 antibody [10D6] ab201461

★★★★★ [1 Abreviews](#) [5 References](#)

#### 製品の概要

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製品名	Anti-CD163 antibody [10D6]
製品の詳細	Mouse monoclonal [10D6] to CD163
由来種	Mouse
アプリケーション	<b>適用あり:</b> IHC-P
種交差性	<b>交差種:</b> Human
免疫原	Recombinant protein encoding of domains 1-4 of the N-terminal region of human CD163.
エピトープ	Domains 1 to 4 of the N-terminal region
ポジティブ・コントロール	Human placenta tissue.
特記事項	<p>This is the concentrated version of <a href="#">ab74604</a>.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 製品の特性

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製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C.
バッファー	Preservative: 0.09% Sodium azide
精製度	Tissue culture supernatant
ポリ/モノ	モノクローナル
クローン名	10D6
アイソタイプ	IgG1

#### アプリケーション

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アプリケーション	Abreviews	特記事項
IHC-P	★★★★★ (1)	Use at an assay dependent concentration.

## ターゲット情報

<b>機能</b>	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.
<b>組織特異性</b>	Expressed in monocytes and mature macrophages such as Kupffer cells in the liver, red pulp macrophages in the spleen, cortical macrophages in the thymus, resident bone marrow macrophages and meningeal macrophages of the central nervous system. Expressed also in blood. Isoform 1 is the lowest abundant in the blood. Isoform 2 is the lowest abundant in the liver and the spleen. Isoform 3 is the predominant isoform detected in the blood.
<b>配列類似性</b>	Contains 9 SRCR domains.
<b>ドメイン</b>	The SRCR domain 3 mediates calcium-sensitive interaction with hemoglobin/haptoglobin complexes.
<b>翻訳後修飾</b>	A soluble form (sCD163) is produced by proteolytic shedding which can be induced by lipopolysaccharide, phorbol ester and Fc region of immunoglobulin gamma. This cleavage is dependent on protein kinase C and tyrosine kinases and can be blocked by protease inhibitors. The shedding is inhibited by the tissue inhibitor of metalloproteinase TIMP3, and thus probably induced by membrane-bound metalloproteinases ADAMs. Phosphorylated.
<b>細胞内局在</b>	Secreted and Cell membrane. Isoform 1 and isoform 2 show a lower surface expression when expressed in cells.

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