

Recombinant Human CD163 protein ab112384

画像数 1

製品の詳細

製品名	Recombinant Human CD163 protein
生理活性	Useful for Antibody Production and Protein Array
発現系	Wheat germ
アクセッション番号	<u>Q86VB7</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	NGWSMEAVSVICNQLGCPATAIKAPGWANSSAGSGRIWMDHVS CRGNESAL WDCKHDGWGKHSNCTHQQDAGVTCSDGSNLEMRLTRGGNMC
予測される分子量	36 kDa including tags
領域	78 to 168

特性

Our **Abpromise guarantee** covers the use of **ab112384** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	ELISA SDS-PAGE Western blot
製品の状態	Liquid
備考	This product is useful for Antibody Production and Protein Array.

前処理および保存

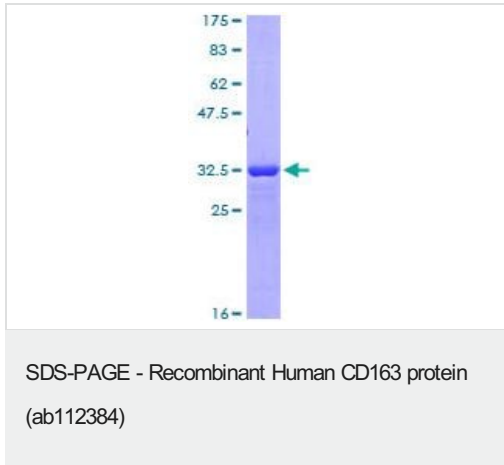
保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
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Glutathione is reduced

関連情報

機能	<p>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>
組織特異性	<p>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.</p>
配列類似性	<p>Contains 9 SRCR domains.</p>
ドメイン	<p>The SRCR domain 3 mediates calcium-sensitive interaction with hemoglobin/haptoglobin complexes.</p>
翻訳後修飾	<p>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.</p> <p>Phosphorylated.</p>
細胞内局在	<p>Secreted and Cell membrane. Isoform 1 and isoform 2 show a lower surface expression when expressed in cells.</p>

画像



ab112384 analysed by 12.5% SDS-PAGE and stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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