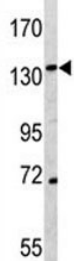


## CD163 Antibody (F50316)

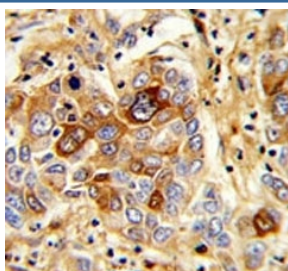
Catalog No.	Formulation	Size
F50316-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F50316-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	Q86VB7
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50
<b>Limitations</b>	This CD163 antibody is available for research use only.



Western blot analysis of CD163 antibody and K562 lysate



IHC analysis of FFPE human hepatocarcinoma with CD163 antibody

## Description

CD163 is an 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. The protein may play a role in the uptake and recycling of iron, via endocytosis of hemoglobin/haptoglobin and subsequent breakdown of heme. It binds hemoglobin/haptoglobin complexes in a calcium-dependent and pH-dependent manner. And it 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. It also induces a cascade of intracellular signals that involves tyrosine kinase-dependent calcium mobilization, inositol triphosphate production and secretion of IL6 and CSF1.

## Application Notes

Titration of the CD163 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 245-274 from the human protein was used as the immunogen for this CD163 antibody.

## Storage

Aliquot the CD163 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.