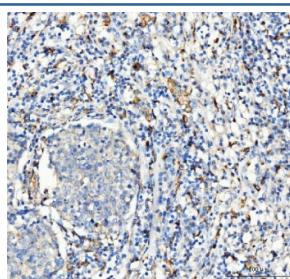


## CD163 Antibody (R30974)

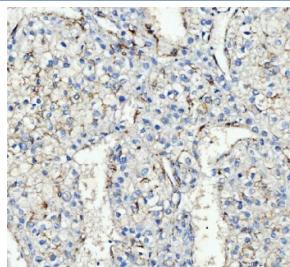
Catalog No.	Formulation	Size
R30974	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

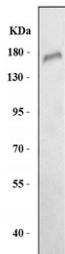
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q86VB7
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 2-5ug/ml
<b>Limitations</b>	This CD163 antibody is available for research use only.



IHC staining of FFPE human lung cancer tissue with CD163 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human liver cancer tissue with CD163 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human HCCT cell lysate with CD163 antibody. Predicted molecular weight ~130 kDa but may be observed at higher molecular weights due to glycosylation.

## Description

Cluster of Differentiation 163, also known as Hemoglobin scavenger receptor, is a human protein encoded by the CD163 gene. The receptor belongs to the scavenger receptor cysteine rich family type B and consists of an 1048 amino acid residues extracellular domain, a single transmembrane segment and a cytoplasmic tail with several splice variants. CD163 is a scavenger receptor for the hemoglobin-haptoglobin complex. Using FISH, somatic cell hybrid analysis, and radiation hybrid analysis, Stover et al.(2000) mapped the gene to chromosome 12p13.3. CD163 expression in monocytes promoted bacteria-induced proinflammatory cytokine production that could be blocked by CD163 antibody. Cells expressing human CD163 and recombinant protein containing the extracellular domain of CD163 supported adhesion of erythroblastic cells.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD163 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A human partial partial recombinant protein (amino acids 1056-1165) was used as the immunogen for this CD163 antibody.

## Storage

After reconstitution, the CD163 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.