Anti-CD163 Antibody

Catalog Number: *A00812-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-CD163 Antibody
Gene Name	CD163
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E. coli-derived human CD163 recombinant protein (Position: T47-E201). Human CD163 shares 78.4% and 79.7% amino acid (aa) sequence identity with mouse and rat CD163, respectively.
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	125-150 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunohistochemistry in frozen section: 1:50-400 Immunocytochemistry in fixed cells: 1:50-400 Flow cytometry (FCM): 1-3 μg/1x10^6 cells ELISA: 1:100-1000 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied. 6 months 2 to 8℃ after reconstitution. Avoid repeated freezing and thawing.

Background Information

CD163 (Cluster of Differentiation 163) is a protein that in humans is encoded by the CD163 gene. 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

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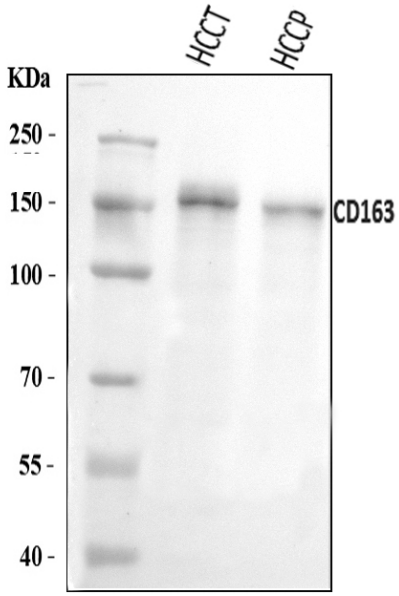
inflammation. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.

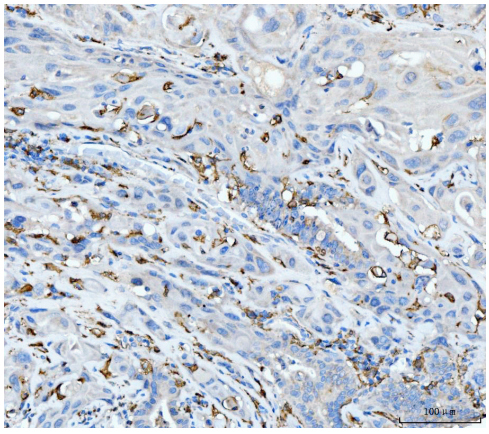
Reference

Anti-CD163 Antibody 被引用在3文献中。

Selected Validation Data



Western blot analysis of CD163 using anti-CD163 antibody (A00812-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: HCCT tissue lysates,
Lane 2: HCCP tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-CD163 antigen affinity purified polyclonal antibody (A00812-1) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for CD163 at approximately 125-150 kDa. The expected band size for CD163 is at 125 kDa.



IHC analysis of CD163 using anti-CD163 antibody (A00812-1). CD163 was detected in a paraffin-embedded section of human Gall bladder adenosquamous carcinoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-CD163 Antibody (A00812-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.