

Product Datasheet

Anti-CD163 Antibody Picoband (orb865611)

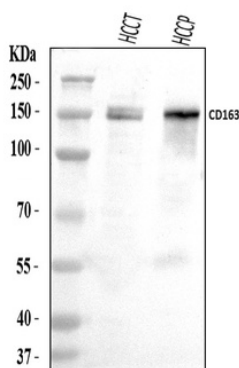
Description	Anti-CD163 Antibody. Tested in WB, Flow Cytometry applications. This antibody reacts with Human.
Species/Host	Rabbit
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	FC, WB
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CD163.
Form/Appearance	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Western blot, 0.25-0.5 µg/ml, Human Flow Cytometry (Fixed), 1-3 µg/1x10 ⁶ cells, Human. Adding 0.2 ml of distilled water will yield a concentration of 500 µg/ml
Isotype	Rabbit IgG
Clonality	Polyclonal
MW	150 kDa
Uniprot ID	Q86VB7
Expiration Date	12 months from date of receipt.

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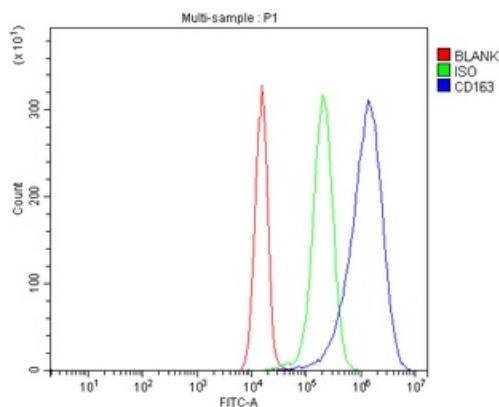
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Western blot analysis of CD163 using anti-CD163 antibody (orb865611). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human HCCT tissue lysates, Lane 2: human HCCP tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-CD163 antigen affinity purified polyclonal antibody (Catalog # orb865611) at 0.5 µg/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # orb90503) with Tanon 5200 system. A specific band was detected for CD163 at approximately 150 kDa. The expected band size for CD163 is at 125 kDa.



Flow Cytometry analysis of JK cells using anti-CD163 antibody (orb865611). Overlay histogram showing JK cells stained with orb865611 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-CD163 Antibody (orb865611, 1µg/1x10⁶ cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (5-10µg/1x10⁶ cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1µg/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

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