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Research Use Only. Not for diagnostic or therapeutic use.

EB12340 - Goat Anti-CD163 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: CD163, CD163 molecule, M130, MM130, hemoglobin scavenger receptor, macrophage-associated antigen, scavenger receptor cysteine-rich type 1 protein

M130

Official Symbol: CD163

Accession Number(s): NP_004235.4; NP_981961.2;

Human GeneID(s): 9332

Important Comments: This antibody is expected to recognize both reported isoforms

(NP_004235.4; NP_981961.2).

Immunogen

Peptide with sequence C-SRGENLVHQIQYRE, from the internal region (near C terminus) of the protein sequence according to NP_004235.4; NP_981961.2;.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx. 150kDa band observed in lysates of cell line Caco-2 (calculated MW of 125kDa according to NP_004235.4). Molecular weights of 150-200kDa have been observed by other commercial sources. Recommended concentration: 1-3μg/ml. Primary incubation 1 hour at room temperature.

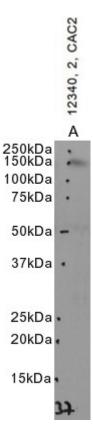
IHC: Paraffin embedded Human Spleen. Recommended concentration: 5µg/ml.

Flow Cytometry: Flow cytometric analysis of Caco-2 cells. Recommended concentration: 10ug/ml.

Species Reactivity

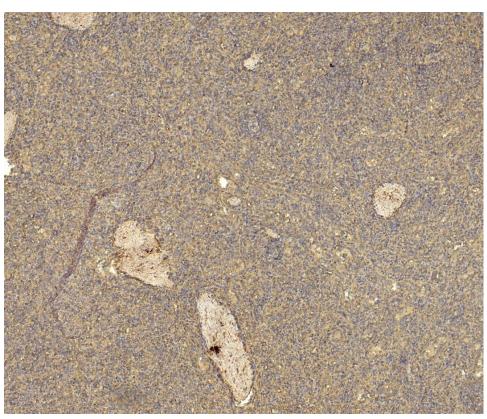
Tested: Human

Expected from sequence similarity: Human

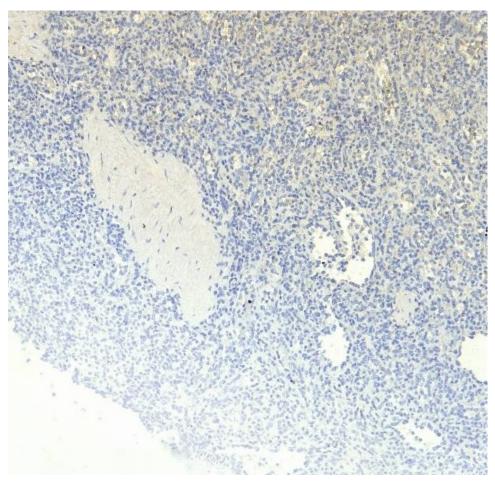


EB12340 optimised QC. Primary incubation 1 hour at room temperature.

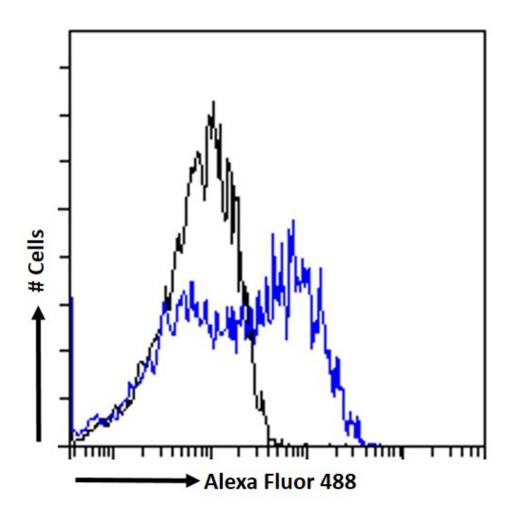
Image A: Caco-2 cell lysate at primary Ab concentration 2ug/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB12340 (5μg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB12340 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.



EB12340 Flow cytometric analysis of paraformaldehyde fixed CAC2 cells (blue line) permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488® conjugated secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.