

International Office

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Research Use Only. Not for diagnostic or therapeutic use.

EB07103 - Goat Anti-CD14 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: CD14, CD14 antigen, HGNC:1628 Official Symbol: CD14 Accession Number(s): NP_000582.1 Human GenelD(s): <u>929</u>

Immunogen

Peptide with sequence C-KRVDADADPRQYAD, from the internal region of the protein sequence according to NP_000582.1.

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 55kDa band observed in Human Lymph node and Tonsil lysates (calculated MW of 40.1kDa according to NP_000582.1).The observed molecular weight corresponds to the glycosylated form, and was successfully blocked by incubation with the immunizing peptide. Recommended concentration: 1-3µg/ml. Primary incubation 1 hour at room temperature.

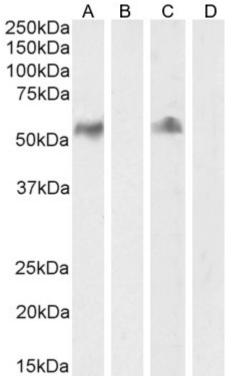
IHC: Paraffin embedded Human Tonsil. Recommended concentration: 6-8µg/ml. Weak positive staining of Non germinal center cells in Human Lymph Node was also observed.

Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

Species Reactivity

Tested: Human Expected from sequence similarity: Human

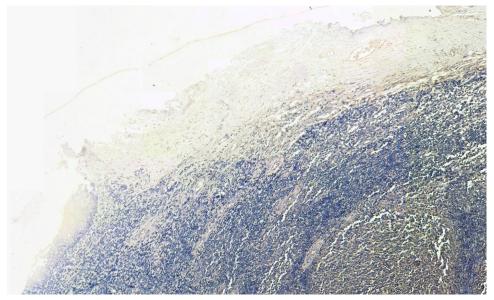




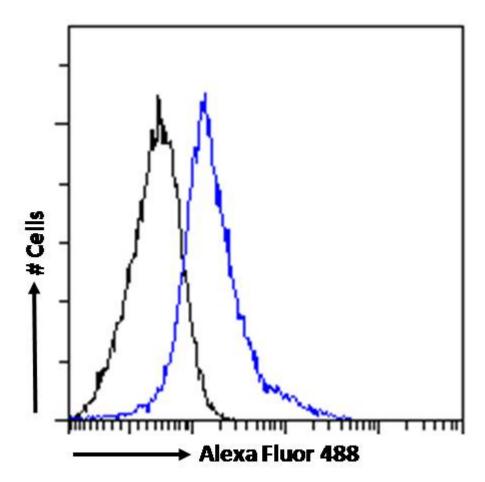
EB07103 (2µg/ml) staining of Human Lymph node (A) + peptide (B) and Tonsil (C) + peptide (D) lysate (35µg protein in RIPA buffer) Detected by chemiluminescence.



EB07103 (8µg/ml) staining of paraffin embedded Human Tonsil. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07103 Negative Control showing staining of paraffin embedded Human Tonsil, with no primary antibody.



EB07103 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.