



International Office

Everest Biotech Ltd

Vector Laboratories, Inc.
6737 Mowry Ave
Newark, CA 94560
United States

Customer Service:

customerservice@vectorlabs.com

Technical Service:

technical@vectorlabs.com

Tel: +1 (800) 227-6666

www.everestbiotech.com

**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07103-T - Goat Anti-CD14 Antibody - Trial

Size: 20µg specific antibody in 40µl



Target Protein

Principal Names: CD14, CD14 antigen, HGNC:1628

Official Symbol: CD14

Accession Number(s): NP_000582.1

Human GeneID(s): [929](#)

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.

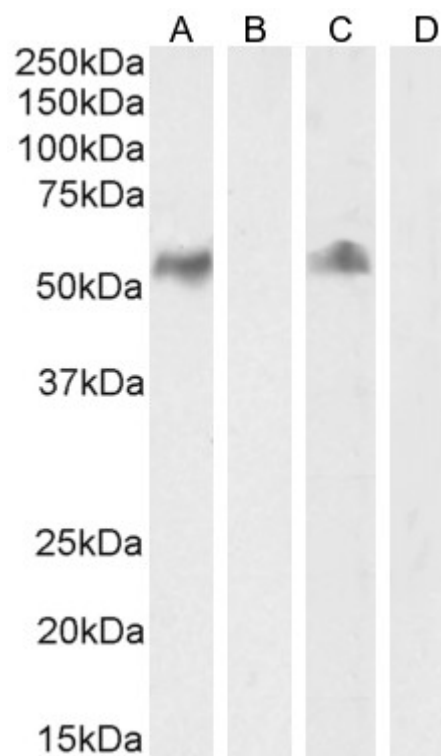
IHC: Paraffin embedded Human Tonsil. Recommended concentration: 6-8µg/ml. Weak positive staining of Non germinal center cells in Human Lymph Node was also observed.

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

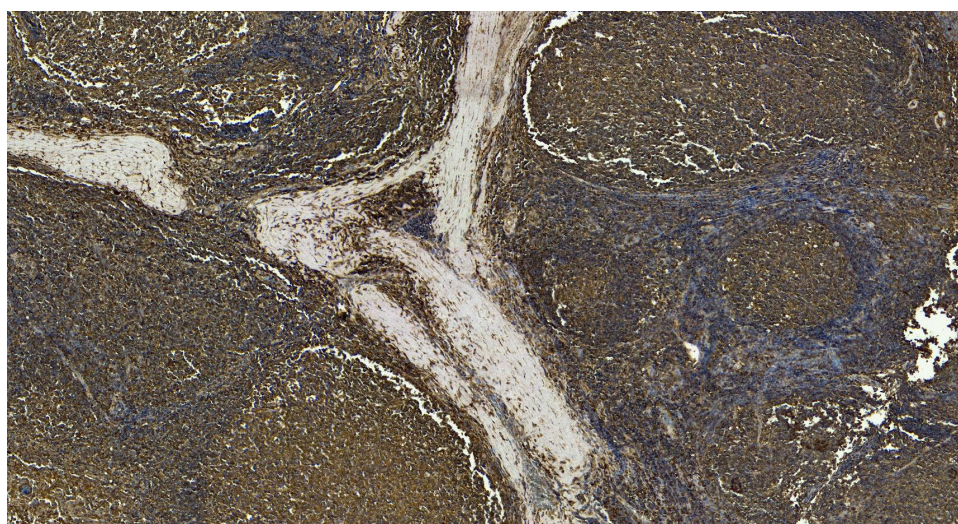
Species Reactivity

Tested: Human

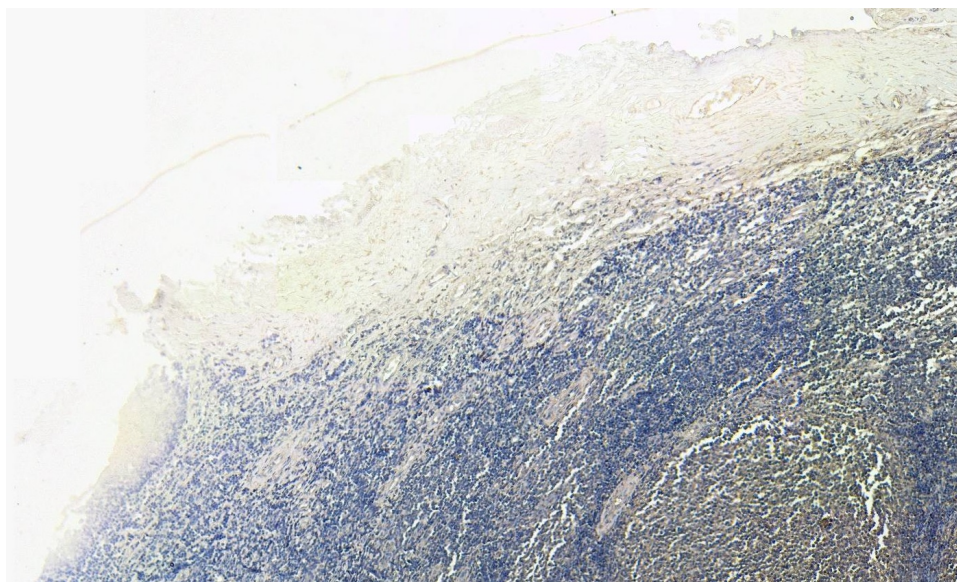
Expected from sequence similarity: Human



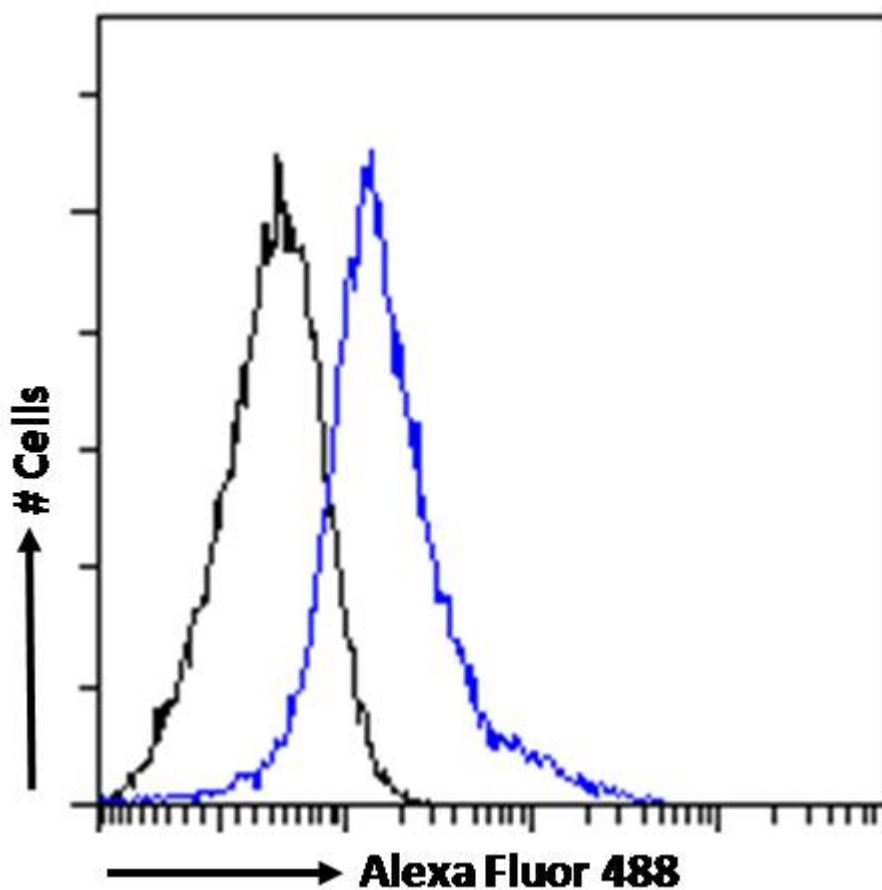
EB07103 (2 μ g/ml) staining of Human Lymph node (A) + peptide (B) and Tonsil (C) + peptide (D) lysate (35 μ g protein in RIPA buffer) Detected by chemiluminescence.



EB07103 (8 μ g/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.