



Everest Biotech Ltd
Cherwell Innovation Centre
77 Heyford Park
Upper Heyford
Oxfordshire
OX25 5HD, UK

www.everestbiotech.com

info@everestbiotech.com
sales@everestbiotech.com

Tel +44 1869 238326
Fax +44 1869 238327

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

Related Products
EB09000

Storage: For long-term
storage keep aliquots at
-20°C. (Store no longer than
12 months at 4°C). Minimize
freezing and thawing.

EB06650 – Goat anti-CCL3 and CCL3L1 antibody

Size: 100µg specific antibody in 200µl

This product is one of a range of Investigative Grade antibodies, made against targets that have limited or no commercial antibodies available to them and for which there are no data on the expression of the protein in the range of common cell lines and tissues available to us. These antibodies are affinity purified using their peptide immunogen and are known to give low background staining in a western blot (see Application Notes below). However no additional claims are made for their ability to recognise native protein in any application.

Target Protein

Principal Names: CCL3; chemokine (C-C motif) ligand 3; G0S19-1; LD78ALPHA; MIP-1-alpha; MIP1A; SCYA3; LD78 alpha beta; Small inducible cytokine A3; small inducible cytokine A3 (homologous to mouse Mip-1a); CCL3L1; LD78; 464.2; SCYA3L; G0S19-2; SCYA3L1; D17S1718; LD78BETA; MGC12815; chemokine (C-C motif) ligand 3-like 1; small inducible cytokine A3-like 1, MIP-1aP

Official Gene Symbol: CCL3L1; CCL3

Accession Number(s): NP_002974.1; NP_066286.1

Human Gene ID(s): 6348; 6349

Gene Ontology terms: chemokine activity; chemotaxis; extracellular region; inflammatory response; negative regulation of cell proliferation

Please note this product is expected to recognize the products of 2 different genes which are almost identical.

Immunogen

Peptide with sequence C-EWVQKYVSDLELSA, from the C Terminus of the protein sequence according to NP_002974.1; NP_066286.1

Purification

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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32,000. Western Blot: Preliminary experiments gave bands at approx 26+28kDa (doublet) and 40kDa in Human Bone Marrow and Spleen lysates after 0.1µg/ml antibody staining. The 26+28kDa doublet was also found in Human Lymph Node and in Tonsil lysates. Please note that currently we cannot find an explanation in the literature for the bands we observe given the calculated size of 10.2kDa according to NP_066286.1. The detected bands were successfully blocked by incubation with the immunizing peptide (and BLAST results with the immunizing peptide sequence did not identify any other proteins to explain these bands). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates? Have any further splice variants/modified forms been reported?

Species Reactivity

Tested:

Expected from sequence similarity: Human, Chimpanzee

Background Reference

Gonzalez E, Kulkarni H, Bolivar H, Mangano A, Sanchez R, Catano G, Nibbs RJ, Freedman BI, Quinones MP, Bamshad MJ, Murthy KK, Rovin BH, Bradley W, Clark RA, Anderson SA, O'connell RJ, Agan BK, Ahuja SS, Bologna R, Sen L, Dolan MJ, Ahuja SK.

The Influence of CCL3L1 Gene-Containing Segmental Duplications on HIV-1/AIDS Susceptibility.

Science. 2005 Jan 6; [Epub ahead of print]

PMID: 15637236