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

EB09997 - Goat Anti-C5AR1/CD88 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: C5AR1, C5A, C5AR, C5A-R, C5R1, CD88, C5a anaphylatoxin chemotactic receptor, C5a anaphylatoxin receptor, Complement component 5 receptor 1, Complement component 5a receptor 1, Anaphylatoxin receptor
Official Symbol: C5AR1
Accession Number(s): NP_001727.1
Human GeneID(s): 728
Non-Human GeneID(s): 113959 (rat)

Immunogen

Peptide with sequence C-RESKSFTRSTVDT, from the C Terminus of the protein sequence according to NP_001727.1.

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 1:64000.
Western blot: Approx 38kDa band observed in lysates of cell line HepG2 (calculated MW of 39.3kDa according to NP_001727.1). Recommended concentration: 0.01-0.03µg/ml. Primary incubation 1 hour at room temperature.
IHC: Paraffin embedded Human Spleen. Recommended concentration: 6-8µg/ml.

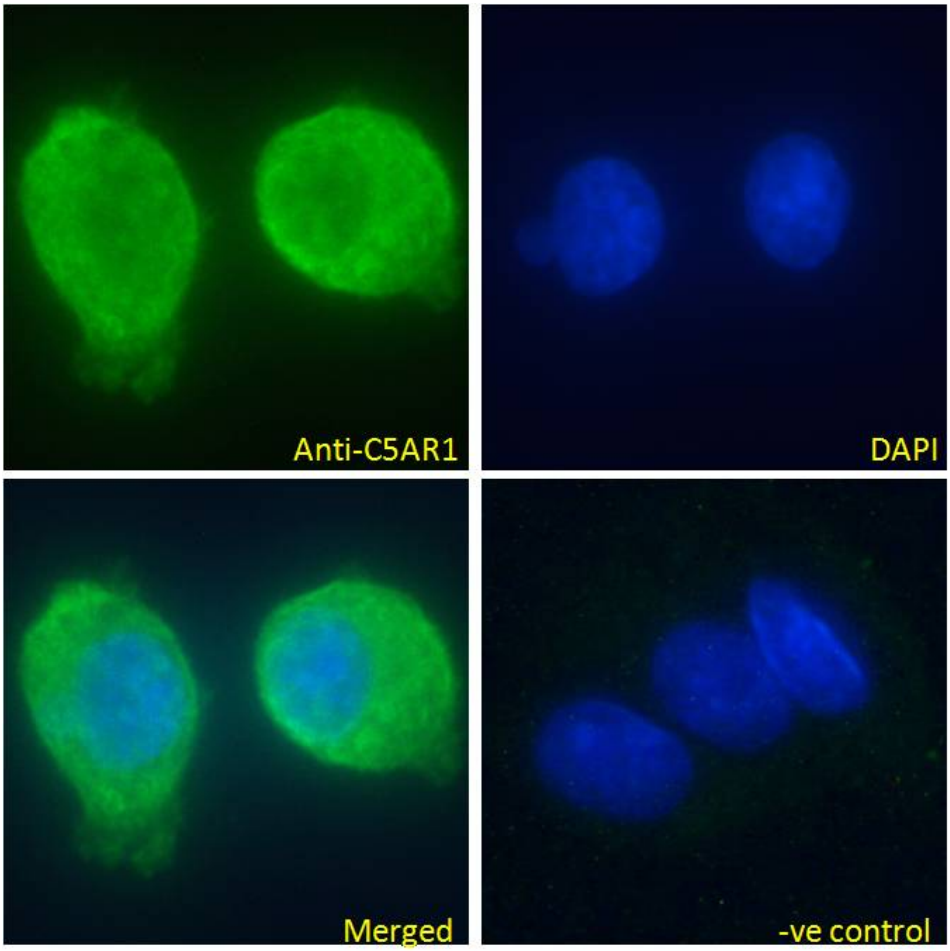
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of HepG2 cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of HepG2 cells. Recommended concentration: 10ug/ml.

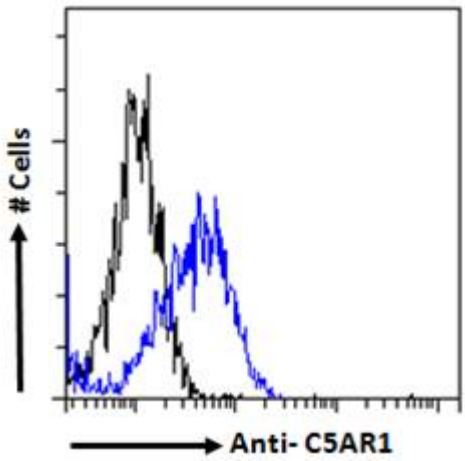
Species Reactivity

Tested: Human
Expected from sequence similarity: Human

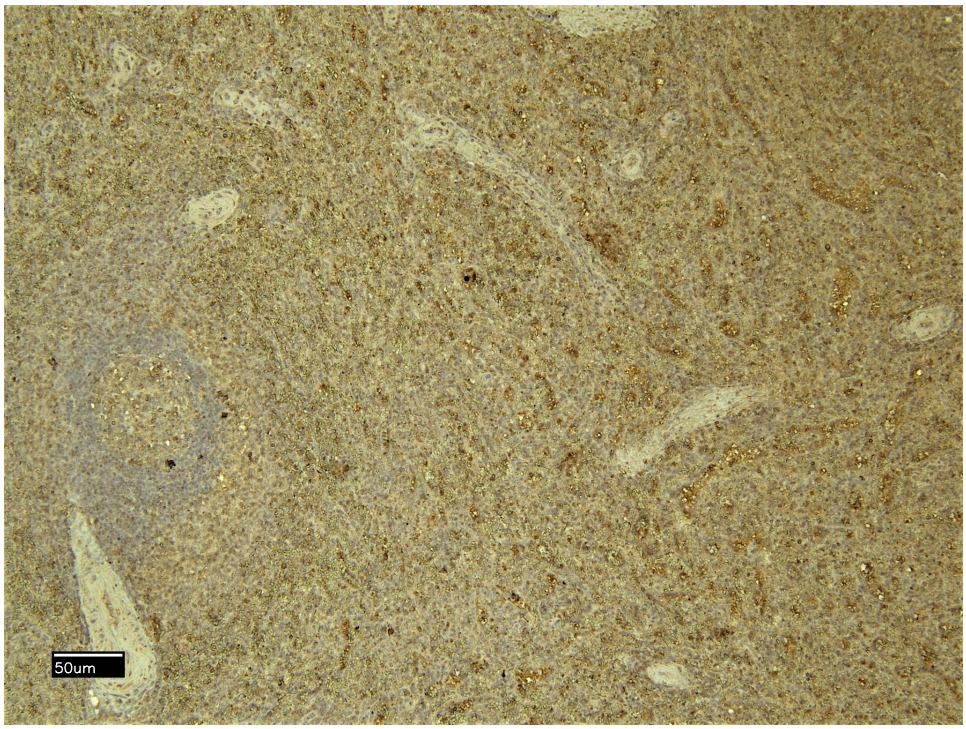
EB09997 (0.01µg/ml) staining of HepG2 cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence



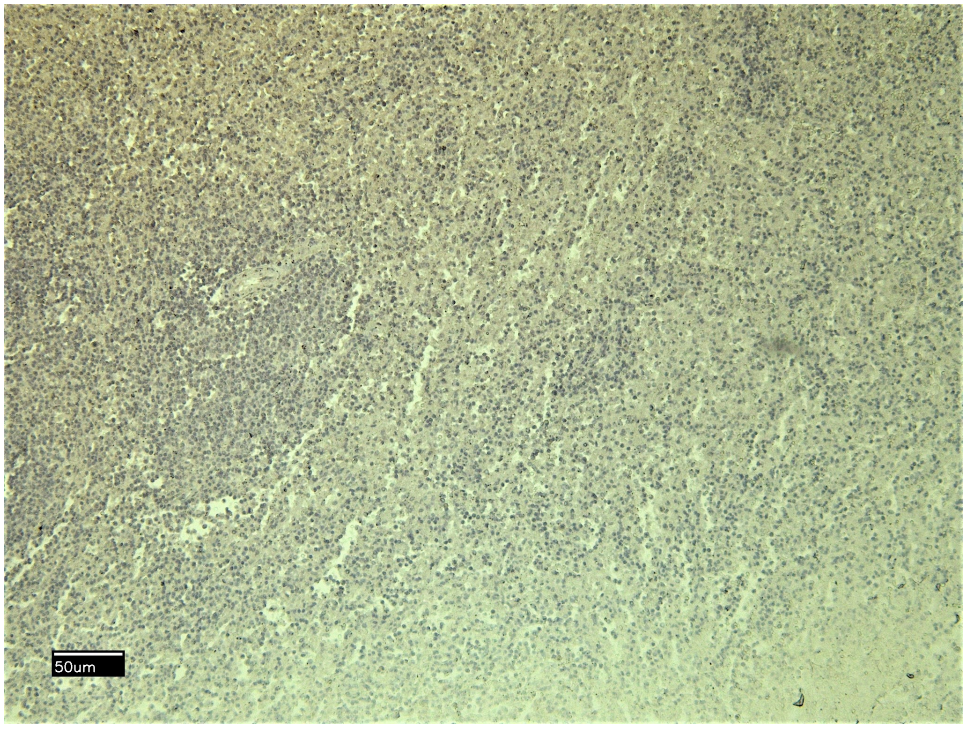
EB09997 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



EB09997 Flow cytometric analysis of paraformaldehyde fixed HepG2 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.



EB09997 (6µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer Ph 6, HRP-staining.



EB09997 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.