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

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.