



## UK Office

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

## EB07201 - Goat Anti-CXCR3 / GPR9 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CXCR3, chemokine (C-X-C motif) receptor 3, HGNC:4540, CD183, CKR-L2, CMKAR3, GPR9, IP10, IP10-R, Mig-R, MigR, G protein-coupled receptor 9, IP10 receptor, Mig receptor, chemokine (C-X-C) receptor 3

**Official Symbol:** CXCR3

**Accession Number(s):** NP\_001495.1; NP\_001136269.1

**Human GeneID(s):** [2833](#)

**Non-Human GeneID(s):** 12766 (mouse), 84475 (rat)

### Immunogen

Peptide with sequence C-RRDSSWSETSEA, from the C Terminus of the protein sequence according to NP\_001495.1; NP\_001136269.1.

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:** Preliminary experiments showed a band at approx 55-60kDa in Human Tonsil and Mouse Spleen lysates after 1µg/ml antibody staining. This band was successfully blocked by incubation with the immunizing peptide. Primary incubation 1 hour at room temperature. Please note we cannot currently find an explanation in the literature for this band, given the calculated size of 45.5kDa according to NP\_001136269.1

**IHC:** Paraffin embedded Human Spleen. Recommended concentration: 6-8µg/ml.

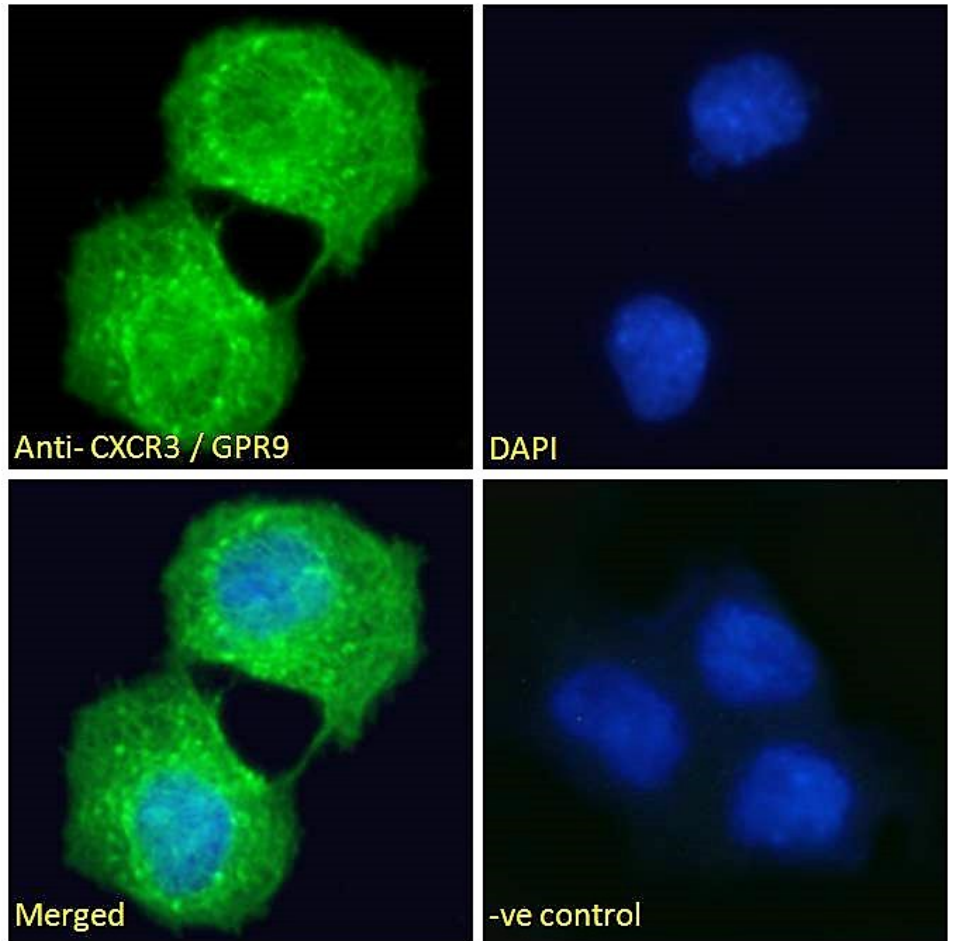
**Immunofluorescence:** Strong expression of the protein seen in the membranes of A431 and HepG2 cells. Recommended concentration: 10µg/ml.

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

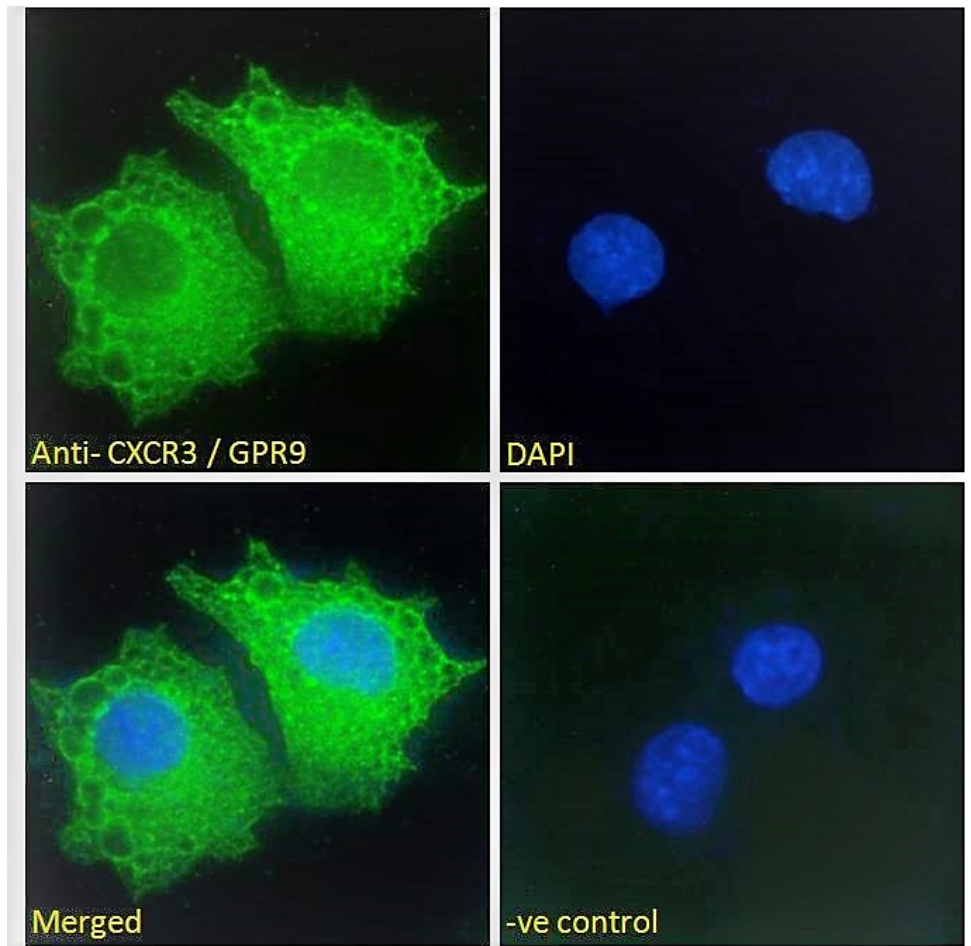
### Species Reactivity

**Tested:** Human

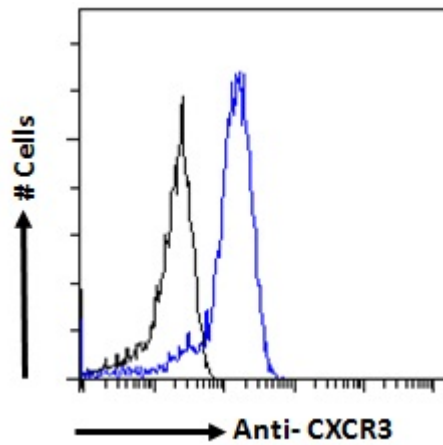
**Expected from sequence similarity:** Human, Mouse, Rat



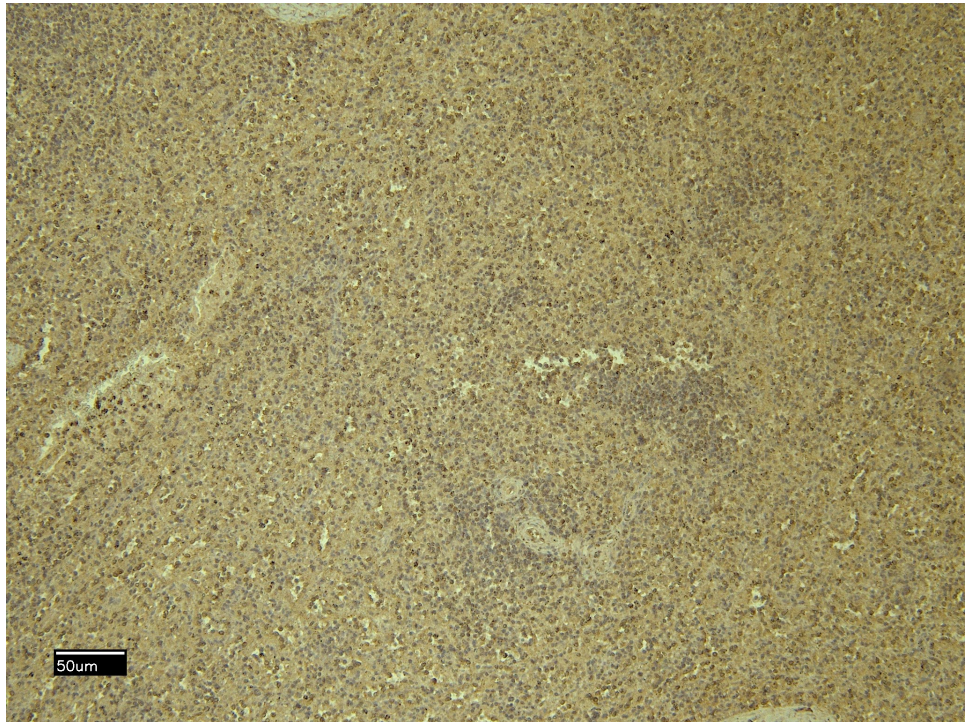
EB07201 Immunofluorescence analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



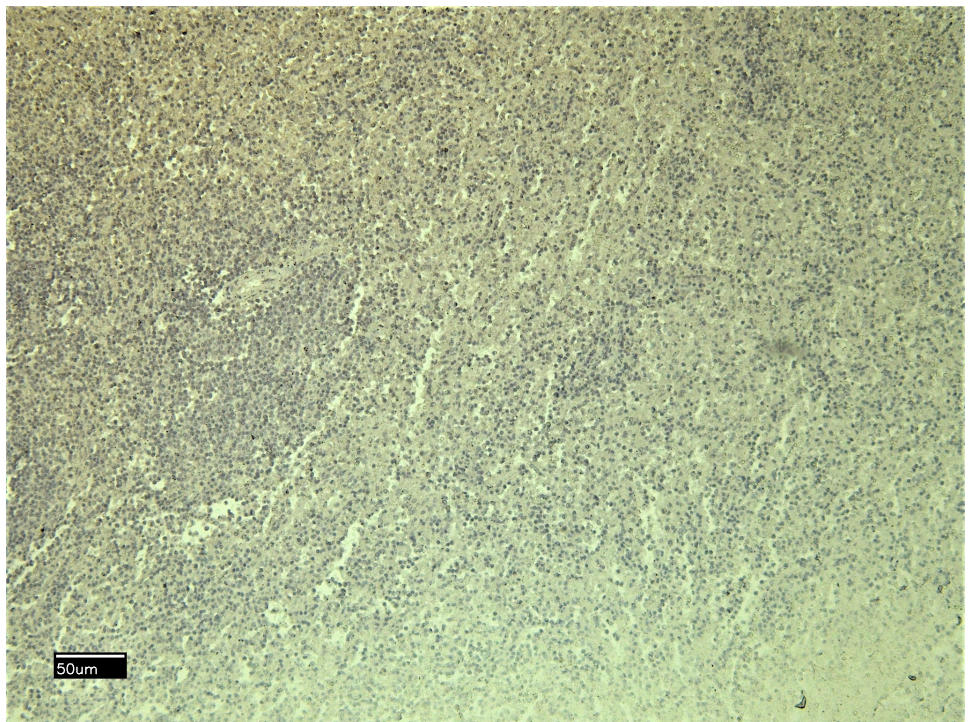
EB07201 Immunofluorescence analysis of paraformaldehyde fixed HepG2 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB07201 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.



EB07201 (8µg/ml) staining of paraffin embedded Human Spleen. Heat induced antigen retrieval with citrate buffer pH 6, HRP-staining.



EB07201 Negative Control showing staining of paraffin embedded Human Spleen, with no primary antibody.