

## UK Office

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

## EB12554 - Goat Anti-FCER1A (aa177-189) Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** FCER1A, Fc fragment of IgE, high affinity I, receptor for, alpha polypeptide, FCE1A, FcERI, Fc IgE receptor, alpha polypeptide, Fc epsilon RI alpha-chain, Fc-epsilon RI-alpha, high affinity immunoglobulin epsilon receptor alpha-subunit, high affinity immunoglobulin epsilon receptor subunit alpha, IgE Fc receptor subunit alpha, immunoglobulin E receptor, high-affinity, of mast cells, alpha polypeptide

**Official Symbol:** FCER1A

**Accession Number(s):** NP\_001992.1

**Human GeneID(s):** [2205](#)

### Immunogen

Peptide with sequence C-TGKVVQLDYESEP, from the internal region of the protein sequence according to NP\_001992.1.

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 50kDa band observed in Human Peripheral Blood Mononucleocytes lysates (calculated MW of 29.6kDa according to NP\_001992.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Ganguly et al, J Biol Chem. 2007 Nov 9;282(45):32758-64.PMID: 17728245). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour.

**IHC:** Paraffin embedded Human Kidney. Recommended concentration: 6µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human

EB12554 (0.3µg/ml) staining of Human Peripheral Blood Lymphocytes lysate (35µg protein in RIPA buffer).  
Detected by chemiluminescence.

EB12554 (6µg/ml) staining of paraffin embedded Human Kidney. Heat induced antigen retrieval with citrate  
buffer pH 6, HRP-staining.

EB12554 Negative Control showing staining of paraffin embedded Human Kidney, with no primary antibody.