

## UK Office

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

## EB09022 - Goat Anti-ORAI1 / CRACM1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** ORAI1, CRACM1, ORAI calcium release-activated calcium modulator 1, FLJ14466, ORAT1, TMEM142A, calcium release-activated calcium channel protein 1, calcium release-activated calcium modulator 1, transmembrane protein 142A

**Official Symbol:** ORAI1

**Accession Number(s):** NP\_116179.2

**Human GeneID(s):** [84876](#)

**Non-Human GeneID(s):** 109305 (mouse)

### Immunogen

Peptide with sequence C-KKQPGQPRPTSKP, from the internal region of the protein sequence according to NP\_116179.2.

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. 50-55kDa band observed in Human Liver and Human Placenta lysates (calculated MW of 32.7kDa according to NP\_116179.2). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Li et al, J Biol Chem. 2007 Oct 5;282(40):29448-56.; PMID: 17702753). Recommended concentration: 0.03-0.1µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human, Dog, Pig

EB09022 (0.03µg/ml) staining of Human Placenta lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.