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

## EB12595 - Goat Anti-CD3-ZETA / CD247 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CD247, CD247 molecule, CD3-ZETA, CD3H, CD3Q, CD3Z, T3Z, TCRZ, CD247 antigen, zeta subunit, CD3Z antigen, zeta polypeptide (TIT3 complex), CD3zeta chain, T-cell antigen receptor complex, zeta subunit of CD3, T-cell receptor T3 zeta chain, T-cell surface glycoprotein CD3 zeta chain

**Official Symbol:** CD247

**Accession Number(s):** NP\_932170.1; NP\_000725.1

**Human GeneID(s):** [919](#)

**Important Comments:** This antibody is expected to recognize both reported isoforms (NP\_932170.1; NP\_000725.1).

### Immunogen

Peptide with sequence C-KNPQEGLYNELQKD, from the internal region of the protein sequence according to NP\_932170.1; NP\_000725.1.

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 16-17kDa band observed in lysates of cell lines Jurkat and MOLT4 (calculated MW of 18.6kDa according to NP\_000725.1). Recommended concentration: 0.1-1µg/ml.

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB12595 (0.1 $\mu$ g/ml) staining of Jurkat (A) and (0.3 $\mu$ g/ml) MOLT4 (B) cell lysate (35 $\mu$ g protein in RIPA buffer).  
Primary incubation was 1 hour. Detected by chemiluminescence.