



## International Office

### Everest Biotech Ltd

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

## EB05110 - Goat Anti-STAT1 alpha isoform Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** STAT1, signal transducer and activator of transcription 1, 91kDa, ISGF-3, STAT91, transcription factor ISGF-3, transcription factor ISGF-3 components p91/p84, signal transducer and activator of transcription-1, signal transducer and activator of transcription 1, 91kD

**Official Symbol:** STAT1

**Accession Number(s):** NM\_007315

**Human GeneID(s):** [6772](#)

**Important Comments:** This antibody is expected to recognise the alpha isoform of this protein only.

### Immunogen

Peptide with sequence C-GSVEFDMMNTV, from the C Terminus of the protein sequence according to NM\_007315.

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

**Western blot:** Western blot: Approx 75kDa and 90-95kDa bands seen in Jurkat cell lysates. Recommended for use at 3-5µg/ml.

Please note that we also get a lower size band (approx. 75kDa) in addition to the expected band. We do not have explanation for this band so far. This could represent an isoform of STAT1 (AAH02704), which has a predicted MW of 78kDa. Moreover, splice prediction software (<http://www.bioinformatics.ucla.edu/ASAP/>) indicated existence of constitutive splice variants for STAT1. We would appreciate any feedback from people in the field. Have any splice variants/modified forms been reported?

### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human