



## International Office

### Everest Biotech Ltd

Vector Laboratories, Inc.  
6737 Mowry Ave  
Newark, CA 94560  
United States

Customer Service:

[customerservice@vectorlabs.com](mailto:customerservice@vectorlabs.com)

Technical Service:

[technical@vectorlabs.com](mailto:technical@vectorlabs.com)

Tel: +1 (800) 227-6666

[www.everestbiotech.com](http://www.everestbiotech.com)

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

## EB06097 - Goat Anti-SAE1 / AOS1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SAE1, AOS1, SUA1, HSPC140, SUMO-1 activating enzyme subunit 1, sentrin/SUMO-activating protein AOS1, SUMO-1 activating enzyme E1 N subunit, ubiquitin-like protein SUMO-1 activating enzyme, SUMO1 activating enzyme subunit 1, FLJ3091, UBLE1A, activator of SUMO1, ubiquitin-like 1-activating enzyme E1A

**Official Symbol:** SAE1

**Accession Number(s):** NP\_005491.1

**Human GeneID(s):** [10055](#)

### Immunogen

Peptide with sequence MKGNNGIVECLGPK, from the C Terminus of the protein sequence according to NP\_005491.1.

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 1:32000.

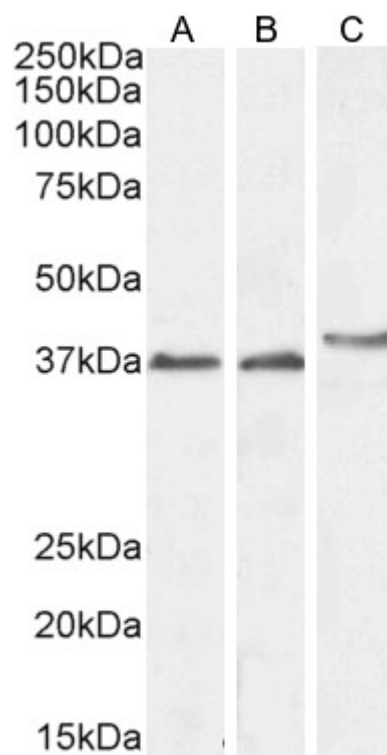
**Western blot:** Approx. 37kDa band observed in lysates of cell lines HEK293 and A549, and approx. 38-40kDa in lysates of cell line Jurkat (calculated MW of 38.4kDa according to NP\_005491.1). Recommended concentration: 0.5-2µg/ml. Primary incubation 1 hour at room temperature.

**Flow Cytometry:** Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

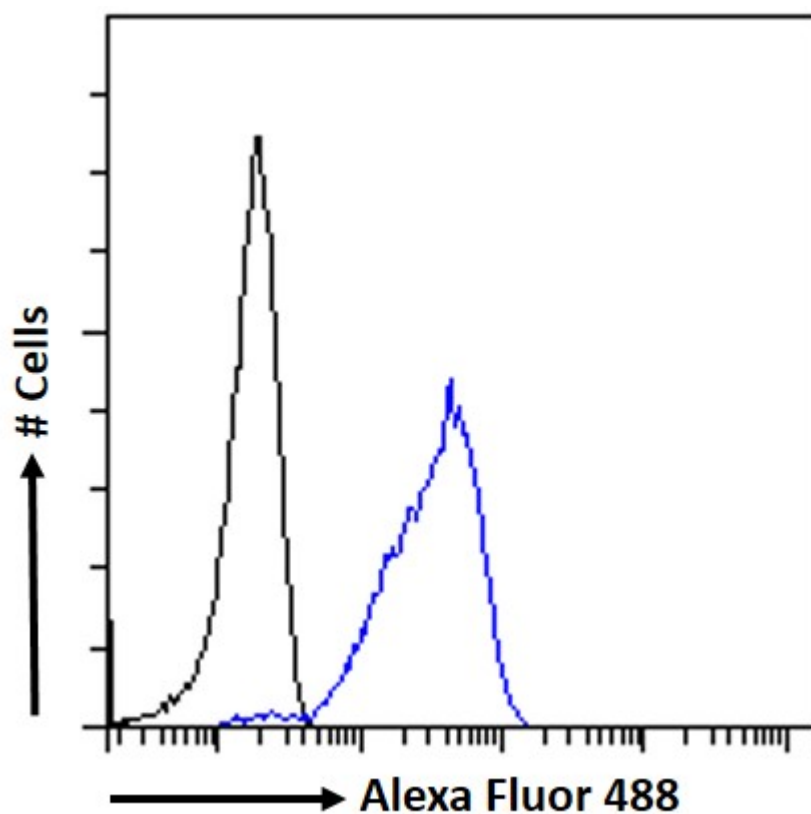
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB06097 (1 $\mu$ g/ml) staining of HEK293 (A), A549 (B) and (2 $\mu$ g/ml) Jurkat (C) cell lysate (35 $\mu$ g protein in RIPA buffer). Detected by chemiluminescence.



EB06097 Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (1 $\mu$ g/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.