

## UK Office

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

## EB12057 - Goat Anti-LAT2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** LAT2, linker for activation of T cells family, member 2, LAB, NTAL, WBSCR15, WBSCR5, WSCR5, Williams-Beuren syndrome chromosomal region 15 protein, Williams-Beuren syndrome chromosomal region 5 protein, linker for activation of B-cells, linker for activation of T cells, transmembrane adaptor 2, linker for activation of T-cells family member 2, membrane-associated adapter molecule, non-T-cell activation linker

**Official Symbol:** LAT2

**Accession Number(s):** NP\_054865.2

**Human GeneID(s):** [7462](#)

**Important Comments:** Reported variants represent identical protein: NP\_115853.2, NP\_115852.1, NP\_054865.2

### Immunogen

Peptide with sequence C-RSEKIYQQRSLRED, from the internal region of the protein sequence according to NP\_054865.2.

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 1:128000.

**Western blot:** Approx. 26kDa band observed in Human Peripheral Blood Monocytes lysates and Human Spleen, and approx. 30kDa in lysates of cell lines Daudi and U937 (calculated MW of 26.6kDa according to NP\_054865.2). Recommended concentration: 0.1-2µg/ml. Primary incubation 1 hour at room temperature.

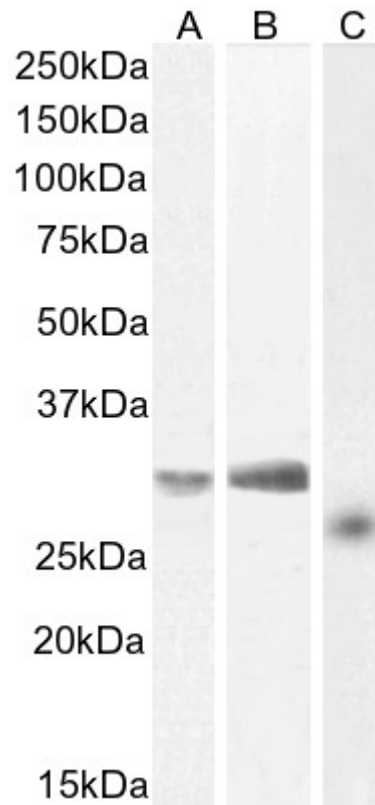
**Immunofluorescence:** Strong expression of the protein seen in U937 cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of U937 cells. Recommended concentration: 10ug/ml.

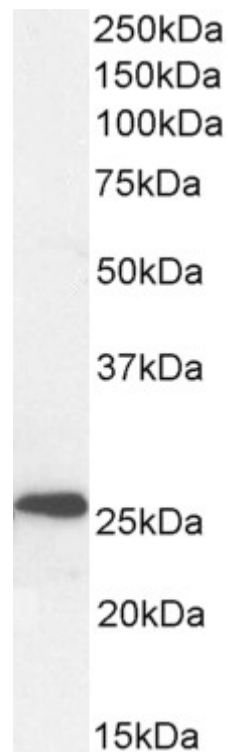
### Species Reactivity

**Tested:** Human

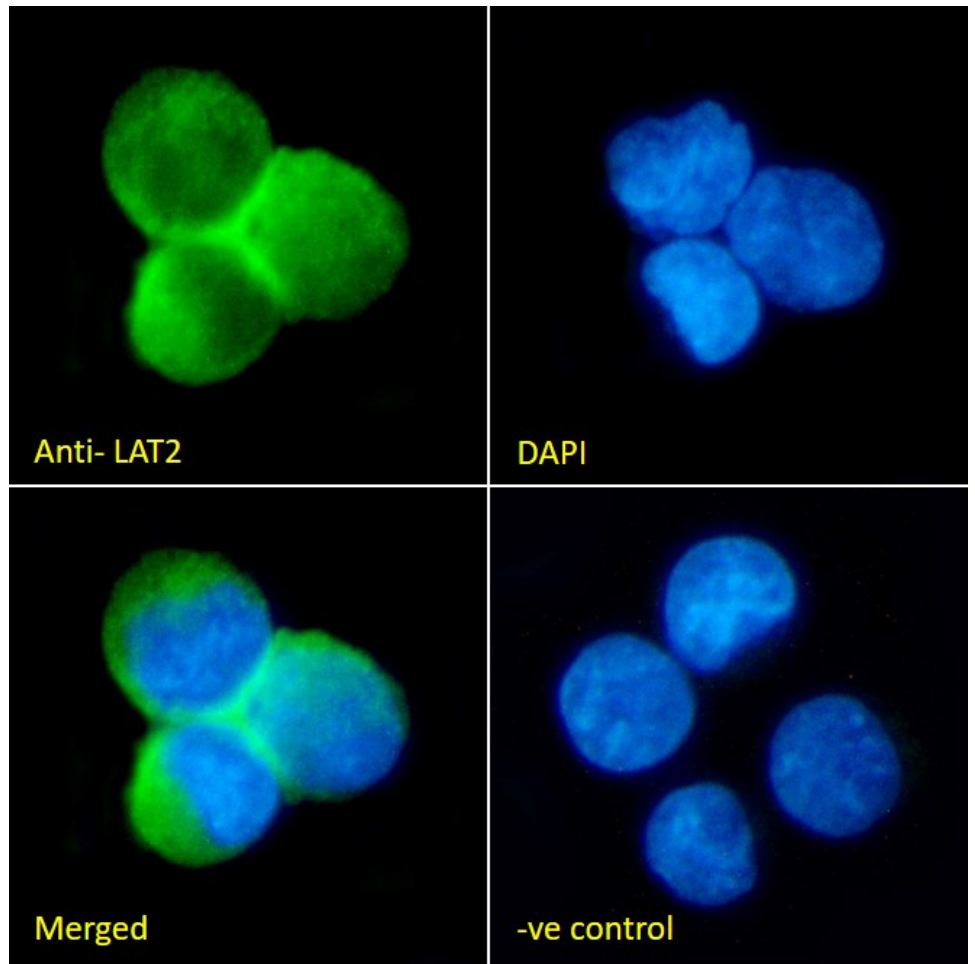
**Expected from sequence similarity:** Human



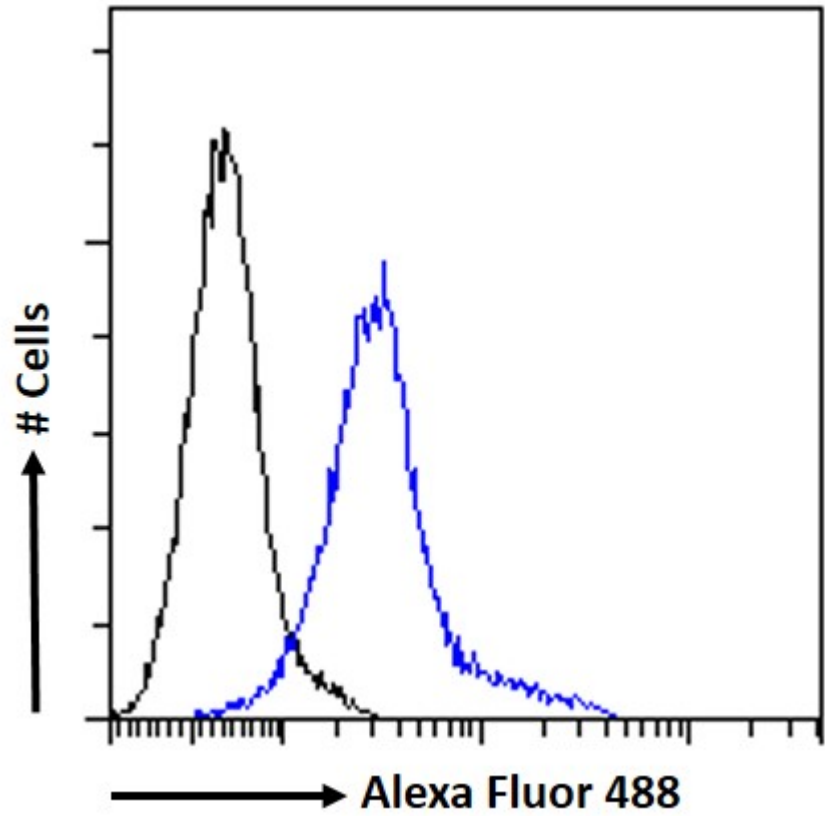
EB12057 (0.1µg/ml) staining of Daudi (A), U937 (B) and (2µg/ml) PBM (C) cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB12057 (0.3µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB12057 Immunofluorescence analysis of paraformaldehyde fixed U937 cells immobilized on Shifix™ coverslip, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing strong membrane and some cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB12057 Flow cytometric analysis of paraformaldehyde fixed U937 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.