

## UK Office

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

## EB09262 - Goat Anti-LAT1 / SLC7A5 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** SLC7A5, solute carrier family 7 (cationic amino acid transporter, y+ system), member 5, 4F2LC, CD98, D16S469E, E16, LAT1, MPE16, hLAT1, 4F2 light chain, CD98 light chain, L-type amino acid transporter 1, integral membrane protein E16, large neutral amino acids transporter 1, large neutral amino acids transporter small subunit 1, sodium-independent neutral amino acid transporter LAT1

**Official Symbol:** SLC7A5

**Accession Number(s):** NP\_003477.4

**Human GeneID(s):** [8140](#)

### Immunogen

Peptide with sequence C-RHRKPELERPIKVN, from the internal region of the protein sequence according to NP\_003477.4.

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 60kDa band observed in Human Spleen lysates (calculated MW of 55.0kDa according to NP\_003477.4). Recommended concentration: 1-3µg/ml. Some minor background is detected and is blocked by the immunizing peptide. We call for caution when used for other assays than Western blot.

### Species Reactivity

**Tested:** Human

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

EB09262 (0.3µg/ml) staining of Human Spleen lysate (35µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.