



Goat anti-LAT1 / SLC7A5 Antibody

Item Number	dAP-1903
Target Molecule	Principle Name: LAT1 / SLC7A5; Official Symbol: SLC7A5; All Names and Symbols: 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 ; Accession Number (s): NP_003477.4; Human Gene ID(s): 8140; Non-Human GeneID(s):
Immunogen	RHRKPELERPIKVN, is from internal region
Applications	Pep ELISA, WB Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 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.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 64000.
Western Blot	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
IHC	
Reference	Reference(s): Ohno Y, Suda K, Masuko K, Yagi H, Hashimoto Y, Masuko T. Production and characterization of highly tumor-specific rat monoclonal antibodies recognizing the extracellular domain of human L-type amino-acid transporter 1. Cancer Sci. 2008 May;99(5):1000-7..PMID: 18294274->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**