

## Goat anti-SLC7A7 / y+LAT-1 Antibody

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| Item Number     | dAP-3452  |
| Target Molecule | Principle Name: SLC7A7 / y+LAT-1; Official Symbol: SLC7A7; All Names and Symbols: SLC7A7; solute carrier family 7 (amino acid transporter light chain, y+L system), member 7; LAT3; LPI; MOP-2; Y+LAT1; y+LAT-1; Y+L amino acid transporter 1; monocyte amino acid permease 2; solute carrier family 7 (cationic amino acid transporter, y+ syste; Accession Number (s): NP_001119577.1; Human Gene ID(s): 9056; Non-Human GeneID(s): |
| Immunogen       | SQPEVETSPPLGD, is from N Terminus<br>Reported variants represent identical protein: NP_001119577.1, NP_001119578.1  |
| Applications    | Pep ELISA, WB<br>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.<br>Aliquot and store at -20°C. Minimize freezing and thawing.  |
| Peptide ELISA   | Peptide ELISA: antibody detection limit dilution 1 to 128000.   |
| Western Blot    | Western Blot: Approx 55-58kDa band observed in Human Lung and Skeletal Muscle lysates (calculated MW of 56.0kDa according to NP_001119577.1. Recommended concentration: 1-3µg/ml.   |
| IHC             |   |
| Reference       | Reference(s): Nguyen HT, Merlin D.Nguyen HT, Merlin D.Nguyen HT, Merlin D.Nguyen HT, Merlin D. Ho-<br>meostatic and innate immune responses: role of the transmembrane glycoprotein CD98. Cellular and mo-<br>lecular life sciences : CMLS 2012 Sep 69 (18): 3015-26..PMID: 22460579->  |

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**