

## Anti-CAT1/SLC7A1 Antibody Picoband® Fluoro488 Conjugated

Catalog Number: PA2245-Fluoro488

### About SLC7A1

High affinity cationic amino acid transporter 1, also called solute carrier family 7 (cationic amino acid transporter,  $\gamma^+$  system), member 1 (SLC7A1) or ATRC1 is a protein that in humans is encoded by the SLC7A1 gene. This gene is mapped to 13q12.3. It acts as a cationic amino acid transporter and as an ecotropic retrovirus receptor and plays a role in the  $\text{Na}^+$ -independent  $\gamma^+$  cationic amino acid transport system. This gene is high-affinity, low capacity permease involved in the transport of the cationic amino acids (arginine, lysine and ornithine) in non-hepatic tissues.

### Overview

Product Name	Anti-CAT1/SLC7A1 Antibody Picoband® Fluoro488 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% $\text{Na}_2\text{HPO}_4$ , 0.02% $\text{NaN}_3$ .
Storage Instructions	At $-20^\circ\text{C}$ for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P30825

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human CAT1, different from the related mouse and rat sequences by four amino acids.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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