

LEU1 Conjugated Antibody

Catalog No: #C46437



Package Size: #C46437-AF350 100ul #C46437-AF405 100ul #C46437-AF488 100ul
 #C46437-AF555 100ul #C46437-AF594 100ul #C46437-AF647 100ul
 #C46437-AF680 100ul #C46437-AF750 100ul #C46437-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	LEU1 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total LEU1 protein.
Immunogen Description	Synthetic peptide corresponding to residues near the C terminal of human LEU1
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	T1; LEU1; T-cell surface glycoprotein CD5; Lymphocyte antigen T1/Leu-1; CD5
Accession No.	Swiss-Prot#: P06127 NCBI Gene ID: 921 NCBI Protein#: NP_055022
Uniprot	P06127
GeneID	921;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

CD5 (also designated Lyt-1) has been identified as a transmembrane glycoprotein that is expressed on 70% of normal peripheral blood lymphocytes and on virtually all T lymphocytes in thymus and peripheral blood. Activation of T cells through the T cell receptor (TCR) results in tyrosine phosphorylation of CD5, and the absence of CD5 renders T cells hyper-responsive to TCR-mediated activation. CD5 associates with the TCR/ CD3- ζ chain and with the Src family kinase Lck p56. In vitro studies have shown a 10- to 15-fold increase in the kinase activity of Lck bound to CD5. The B cell antigen, CD72, serves as a receptor for CD5. The consequence of CD5 binding to its cognate receptor is still in question and likely plays a role in thymic selection. May act as a receptor in regulating T-cell proliferation.

Note: This product is for in vitro research use only