

TAL1 / SCL LS-C182473 Conjugated Antibody

Catalog No: #C48340



Package Size: #C48340-AF350 100ul #C48340-AF405 100ul #C48340-AF488 100ul

#C48340-AF555 100ul #C48340-AF594 100ul #C48340-AF647 100ul

#C48340-AF680 100ul #C48340-AF750 100ul #C48340-Biotin 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	TAL1 / SCL LS-C182473 Conjugated Antibody
Host Species	Mouse
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	peptide
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	bHLHa17 antibody Class A basic helix-loop-helix protein 17 antibody OTTHUMP00000009563 antibody OTTHUMP00000009564 antibody SCL antibody STEM CELL LEUKEMIA HEMATOPOIETIC TRANSCRIPTION FACTOR antibody Stem cell protein antibody T cell acute lymphocytic leukemia 1 antibody T cell acute lymphocytic leukemia 1 protein antibody T cell acute lymphocytic leukemia 1 protein antibody T cell leukemia/lymphoma 5 protein antibody T-cell acute lymphocytic leukemia protein 1 antibody T-cell leukemia/lymphoma protein 5 antibody Tal 1 antibody Tal 1 product antibody TAL 1 protein antibody TAL-1 antibody tal1 antibody TAL1_HUMAN antibody TCL 5 antibody TCL5 antibody
Accession No.	Swiss-Prot#:P17542
Uniprot	P17542
GeneID	6886;
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
Calculated MW	42kDa
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

Activation of TAL1 characterizes up to 60% of cases of human T cell acute lymphoblastic leukemia, making it the most frequent gain-of-function mutation observed in this disorder. TAL1 (also designated SCL) is a serine phosphoprotein and basic helix-loop-helix transcription factor known to regulate embryonic hematopoiesis. This transcription factor binds as a heterodimer with E2A and HEB/HTF4 to a nucleotide sequence motif termed the E-box. In addition, leukemogenesis is accelerated dramatically by transgenic coexpression of TAL1 and the catalytic subunit of casein kinase II α , a serine/ threonine protein kinase known to modulate the activity of other β HLH transcription factors.

Note: This product is for in vitro research use only