

Mouse anti-Human Tal1 Monoclonal Antibody | anti-TAL1 antibody

Tal1

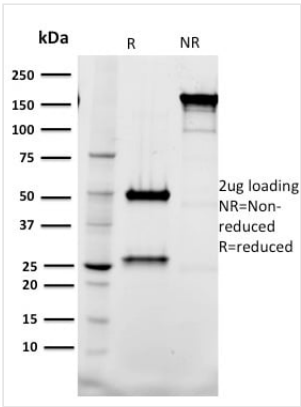
CATALOG # AAA215213	HOST Mouse	REACTIVITY Human	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

Tal1; Monoclonal Antibody; bHLHa17; Class A basic helix-loop-helix protein 17; OTTHUMP00000009563; OTTHUMP00000009564; SCL; STEM CELL LEUKEMIA HEMATOPOIETIC TRANSCRIPTION FACTOR; Stem cell protein; T cell acute lymphocytic leukemia 1; T cell acute lymphocytic leukemia 1 protein; T cell leukemia/lymphoma 5 protein; T-cell acute lymphocytic leukemia protein 1; T-cell leukemia/lymphoma protein 5; Tal 1 product; TAL 1 protein; TAL bHLH transcription factor 1 erythroid differentiation factor; TAL-1; anti-TAL1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	BTL73
Specificity	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 co-expression of TAL1 and the catalytic subunit of casein kinase IIHLH transcription factors.
Form/Format	200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA at 1.0mg/ml.
Sequence Length	331
Applicable Applications for anti-TAL1 antibody	WB (Western Blot), ELISA
Positive Control	A549 xenograft.
Immunogen	Recombinant human full-length TAL1 protein
Cellular Localization	Nucleus
Research Area	Cardiovascular, Developmental Biology, Nuclear Marker, Transcription Factors
Preparation and Storage	Store at -20°C. Non-Hazardous. No MSDS required.



SDS-PAGE
SDS-PAGE Analysis Purified Tal1 Mouse Monoclonal Antibody (BTL73). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	Chetty, R., et al. 1996. J. Pathol. 178: 311-315.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4507363
NCBI GeneID	6886
NCBI Accession #	NP_003180.1
NCBI GenBank Nucleotide #	NP_003180.1
UniProt Accession #	P17542
NCBI Official Full Name	T-cell acute lymphocytic leukemia protein 1 isoform 1
NCBI Official Synonym Full Names	TAL bHLH transcription factor 1, erythroid differentiation factor
NCBI Official Symbol	TAL1
NCBI Official Synonym Symbols	SCL; TCL5; tal-1; bHLHa17
NCBI Protein Information	T-cell acute lymphocytic leukemia protein 1
UniProt Protein Name	T-cell acute lymphocytic leukemia protein 1
UniProt Gene Name	TAL1
UniProt Synonym Gene Names	BHLHA17; SCL; TCL5; TAL-1; bHLHa17
UniProt Entry Name	TAL1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.