

## TAL1 Antibody / T-cell acute lymphocytic leukemia protein 1 [clone TAL1/3146] (V8108)

Catalog No.	Formulation	Size
V8108-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8108-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8108SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	TAL1/3146
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P17542
<b>Applications</b>	ELISA (order BSA-free Format For Coating) :
<b>Limitations</b>	This TAL1 antibody is available for research use only.



### Description

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 II, a serine/threonine protein kinase known to modulate the activity of other HLH transcription factors.

## Application Notes

Optimal dilution of the TAL1 antibody should be determined by the researcher.

## Immunogen

A recombinant human full-length TAL1 protein was used as the immunogen for the TAL1 antibody.

## Storage

Store the TAL1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).