# 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**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | TAL1/3146 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P17542 |
| **Applications** | ELISA (order BSA-free Format For Coating) : |
| **Limitations** | 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).


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