

Datasheet for ABIN2662834
anti-ZBTB16 antibody (PE)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µg
Target:	ZBTB16
Reactivity:	Mouse
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This ZBTB16 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Clone:	9E12
Isotype:	IgG
Purification:	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions. The solution is free of unconjugated PE and unconjugated antibody.

Target Details

Target:	ZBTB16
Alternative Name:	PLZF (ZBTB16 Products)
Background:	PLZF (promyelocytic leukemia zinc finger), also known as Zbtb16, Zinc finger and BTB domain-containing protein 16, Zfp145, is a member of the BTB-POZ family of transcription factors. It was first identified in a patient with acute promyelocytic leukemia, where a reciprocal chromosomal translocation t(11,17)(q23,q21) resulted in a fusion with RARA gene encoding

Target Details

retinoic acid receptor alpha. Expression of this transcriptional repressor in immune cells differs between human and mouse. In humans, PLZF is expressed in CD34+ progenitor cells and in primitive multipotent hematopoietic cell lines, NK cells, γ/δ T cells, CD4+ and CD8+ T cells. It is also expressed in MR1-specific mucosal-associated invariant T cells as well as in MHC class II-restricted T cells that develop via a thymocyte-thymocyte interaction. PLZF is involved in NK cell function, cellular quiescence, and growth suppression. It also inhibits gene expression induced by retinoic acid receptor. In mice, PLZF is highly expressed in immature CD1d-restricted invariant NKT (iNKT) cells, a subset of γ/δ (Vg1.1+Vd6.3+) T cells, and non-invariant CD1d-restricted T cells. PLZF exists as a homodimer or in complex with PLZP, and has been shown to be involved in the development of NKT cells. It is also reported to be expressed in embryonic tissues, giving rise to hematopoietic progenitors.

Pathways: [Positive Regulation of fat Cell Differentiation](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.2 mg/mL

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide.

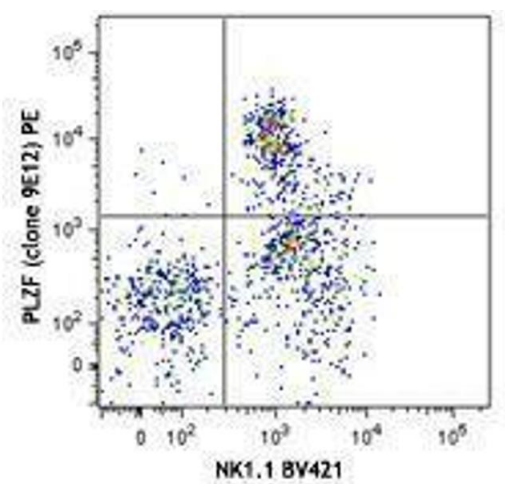
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Protect from prolonged exposure to light. Do not freeze.

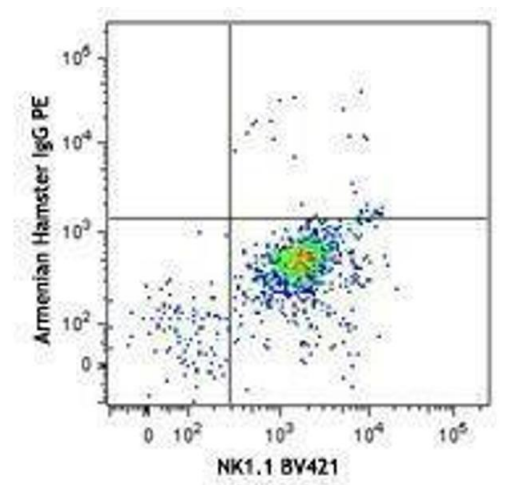
Storage: 4 °C

Storage Comment: The antibody solution should be stored undiluted between 2°C and 8°C.



Flow Cytometry

Image 1.



Flow Cytometry

Image 2.