Human PLZF APC-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 6318100

Catalog Number: IC2944A

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PLZF in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) ZBTB38, rhZNF24, rhZNF143, rhZNF206, rhZNF281, or rhZNF423 is observed.
Source	Monoclonal Mouse IgG_{2A} Clone # 6318100
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human PLZF Met1-Gln254 Accession # Q05516
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

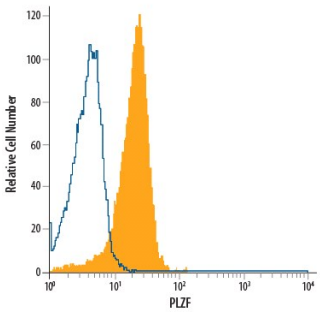
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of PLZF in HL-60 Human Cell Line by Flow Cytometry. HL-60 human acute promyelocytic leukemia cell line was stained with Mouse Anti-Human PLZF APC-conjugated Monoclonal Antibody (Catalog # IC2944A, filled histogram) or isotype control antibody (Catalog # IC003A, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Human PLZF is a 74 kDa nuclear protein that belongs to the POK family of transcriptional repressors. It is a 673 amino acid protein that contains an N-terminal BTB domain, followed by an acidic domain, a proline-rich region and a C-terminal zinc-finger domain. PLZF forms homodimers with RARα and LAZ3 with its zinc-finger region. Alternate splice forms exist which are tissue-specific and show a deletion of either the BTB domain, the acidic region, or the proline-rich region. Human PLZF shares 96%, 97%, 96%, and 96% amino acid identity with rat, mouse, canine, and bovine PLZF, respectively.