

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse PLZF in direct ELISA and Western Blots.
Source	Monoclonal Rat IgG ₁ Clone # 816416
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse PLZF Met1-Gln254 Accession # NP_001028496
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

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

Mouse PLZF, also known as Zinc finger and BTB domain containing protein 16 (ZBTB-16) PLZF and ZNF145, is a 74 kDa nuclear protein that belongs to the POK family of transcriptional repressors. It is a 673 amino acid (aa) 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 dimers with RARα and LAZ3 within its zinc finger region. Alternate splice forms exist that are tissue-specific and show a deletion of either the BTB domain, the acidic region, or the proline-rich region. PLZF is highly expressed in undifferentiated, multi-potential hematopoietic progenitor cells, with levels declining as cells commit to various lineages. Mouse PLZF shares 98% and 96% aa identity with rat and human PLZF, respectively.

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