

**DESCRIPTION**

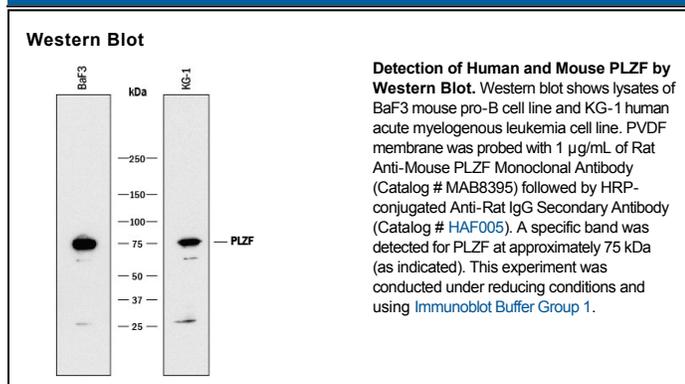
<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse PLZF in direct ELISA and Western Blots.
<b>Source</b>	Monoclonal Rat IgG <sub>1</sub> Clone # 816416
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant mouse PLZF Met1-Gln254 Accession # NP_001028496
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

**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
<b>Western Blot</b>	1 µg/mL	See Below

**DATA**



**PREPARATION AND STORAGE**

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

**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.