

IKZF3 Recombinant Rabbit Monoclonal Antibody Product Datasheet

Catalog# BX50365

Clone# BP6333

Predicted Molecular Wt: 58kDa
Species Cross-reactivity: Human
Applications: IHC-P

Purity: ProA affinity purified IgG
Form: Liquid
Swissprot ID: Q9UKT9

Background:

IKZF3 (Aiolos) is transcription factor that plays an important role in the regulation of lymphocyte differentiation. It plays an essential role in regulation of B-cell differentiation, proliferation and maturation to an effector state. It is involved in regulating BCL2 expression and controlling apoptosis in T-cells in an IL2-dependent manner.

IKZF3 is expressed most strongly in peripheral blood leukocytes, the spleen, and the thymus.

IKZF3 holds critical clinical value primarily in hematological malignancies: its expression level correlates closely with the efficacy of immunomodulatory drugs (e.g., lenalidomide) in multiple myeloma (MM), where high IKZF3 expression often indicates reduced drug sensitivity and poorer prognosis; additionally, IKZF3 alterations are associated with B-cell acute lymphoblastic leukemia (B-ALL) risk stratification, aiding in personalized treatment planning and survival outcome prediction.

Subcellular location:

Cytoplasm/Nucleus

Recommended Method:

Heat induced epitope retrieval with Tris-EDTA buffer (pH 9.0), primary antibody incubate at RT (18°C-25°C) for 30 minutes.

Immunogen:

The synthetic peptide corresponding to Human IKZF3 aa 1-50.

Storage Buffer:

PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.

Storage Conditions:

-25°C to -18°C

Shipment Instructions:

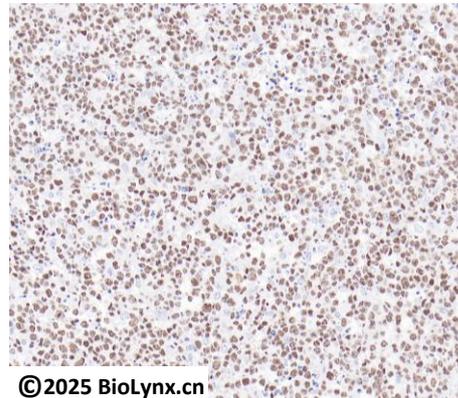
Shipped on blue ice. Upon delivery store at -25°C to -18°C. Avoid freeze / thaw cycles.

Recommended Dilution:

IHC-P: 1:100-1:200

Background References:

1. Yamashita M, Morio T. J Clin Immunol 44(6):128, 2024 May 22.
2. Bergman H, et al. Cochrane Database Syst Rev 1(1):CD000205, 2018 Jan 20.



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Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human diffuse large B cell lymphoma labelling IKZF3 with BP6333.

Product QC'd by: 

For research use only. Not for use in diagnostic or therapeutic applications.