



# Ikaros(C-term) mouse mAb

<b>Catalog No</b>	YP-Ab-01080
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB;IP
<b>Gene Name</b>	ikzf1
<b>Protein Name</b>	
<b>Immunogen</b>	Purified recombinant human Ikaros(C-terminus) protein fragments expressed in E.coli.
<b>Specificity</b>	This antibody detects endogenous levels of Ikaros(C-terminus) and does not cross-react with related proteins.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	wb 1:1000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CLL associated antigen KW 6;DNA-binding protein Ikaros;hIk1;hIk-1;Hs.54452;IK1;Ikaros (zinc finger protein);IKAROS;IKAROS family zinc finger 1 (Ikaros);Ikaros family zinc finger protein 1;Ikzf1;IKZF1_HUMAN;LYF1;Lymphoid transcription factor LyF-1;PRO0758;Zinc finger protein subfamily 1A 1 (Ikaros);zinc finger protein subfamily 1A 1;Zinc finger protein, subfamily 1A, member 1;ZNFN1A1.
<b>Observed Band</b>	58kD
<b>Cell Pathway</b>	Nucleus . In resting lymphocytes, distributed diffusely throughout the nucleus. Localizes to pericentromeric heterochromatin in proliferating cells. This localization requires DNA binding which is regulated by phosphorylation / dephosphorylation events. .; [Isoform Ik2]: Nucleus. In resting lymphocytes, distributed diffusely throughout the nucleus. Localizes to pericentromeric heterochromatin in proliferating cells. This localization requires DNA binding which is regulated by phosphorylation / dephosphorylation events (By similarity). .; [Isoform Ik6]: Cytoplasm .
<b>Tissue Specificity</b>	Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.
<b>Function</b>	function: Binds and activates the enhancer (delta-A element) of the CD3-delta gene. Functions in the specification and the maturation of the T-lymphocyte. Also



interacts with a critical control element in the TDT (terminal deoxynucleotidyltransferase) promoter as well as with the promoters for other genes expressed during early stages of B- and T-cell development.,similarity:Belongs to the Ikaros C2H2-type zinc-finger protein family.,similarity:Contains 6 C2H2-type zinc fingers.,subunit:Interacts with IKZF4 AND IKZF5.,tissue specificity:Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.,

**Background**

This gene encodes a transcription factor that belongs to the family of zinc-finger DNA-binding proteins associated with chromatin remodeling. The expression of this protein is restricted to the fetal and adult hemo-lymphopoietic system, and it functions as a regulator of lymphocyte differentiation. Several alternatively spliced transcript variants encoding different isoforms have been described for this gene. Most isoforms share a common C-terminal domain, which contains two zinc finger motifs that are required for hetero- or homo-dimerization, and for interactions with other proteins. The isoforms, however, differ in the number of N-terminal zinc finger motifs that bind DNA and in nuclear localization signal presence, resulting in members with and without DNA-binding properties. Only a few isoforms contain the requisite three or more N-terminal zinc motifs that confer high affinity binding

**matters needing attention**

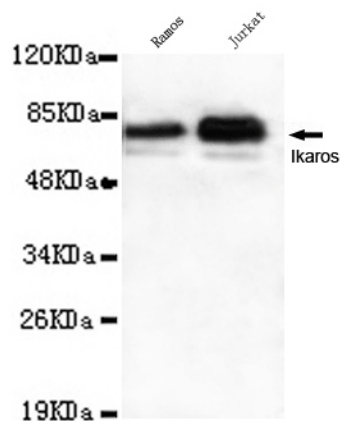
Avoid repeated freezing and thawing!

**Usage suggestions**

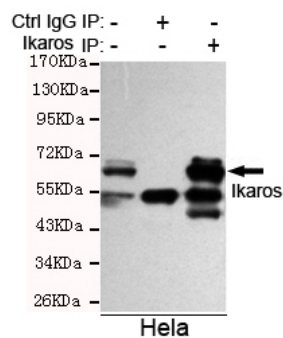
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



## Products Images



Western blot detection of Ikaros(C-terminus) in Ramos and Jurkat cell lysates using Ikaros(C-terminus) mouse mAb (1:1000 diluted).Predicted band size: 58KDa.Observed band size: 58KDa.



Immunoprecipitation analysis of HeLa cell lysate using Ikaros (C-terminus) mouse mAb.