



Ikaros(C-term) mouse mAb

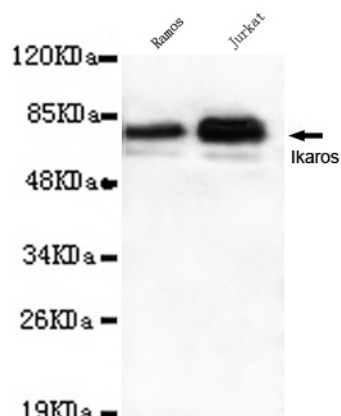
Catalog No	YP-Ab-01080
Isotype	IgG
Reactivity	Human
Applications	WB;IP
Gene Name	ikzf1
Immunogen	Purified recombinant human Ikaros(C-terminus) protein fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of Ikaros(C-terminus) and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Ikaros;ikzf1;CLL associated antigen KW 6;DNA-binding protein Ikaros;hIk 1;hIk-1;Hs.54452;IK1;Ikaros (zinc finger protein);IKAROS family zinc finger 1 (Ikaros);Ikaros family zinc finger protein 1;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.
Observed Band	58kD
Calculated Molecular Weight	58kD
Cell Pathway	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 .
Tissue Specificity	Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.



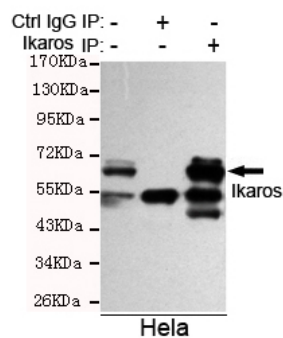
Function	function: Binds and activates the enhancer (delta-A element) of the CD3-delta gene. Functions in the specification and the maturation of the T-lymphocyte. Also interacts with a critical control element in the TDT (terminal deoxynucleotidyltransferase) promoter as well as with the promoters for 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.