

## Ikaros(C-term) mouse mAb

<b>Catalog No :</b>	YM1278
<b>Reactivity :</b>	Human
<b>Applications :</b>	WB;IP
<b>Target :</b>	Ikaros
<b>Gene Name :</b>	ikzf1
<b>Human Gene Id :</b>	10320
<b>Human Swiss Prot No :</b>	Q13422
<b>Mouse Swiss Prot No :</b>	Q03267
<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>Dilution :</b>	wb 1:1000
<b>Purification :</b>	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	58kD
<b>Background :</b>	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

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**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.,

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**Subcellular Location :**

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 .

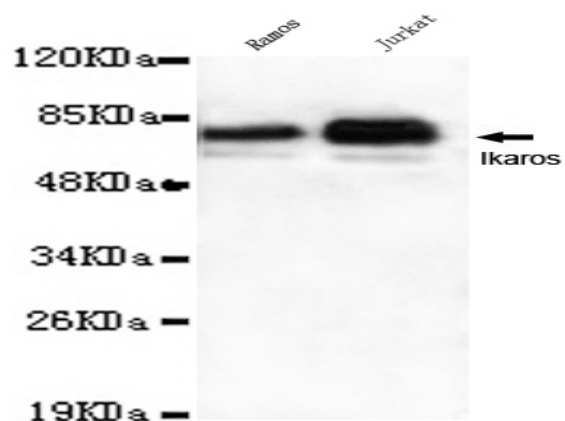
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**Expression :**

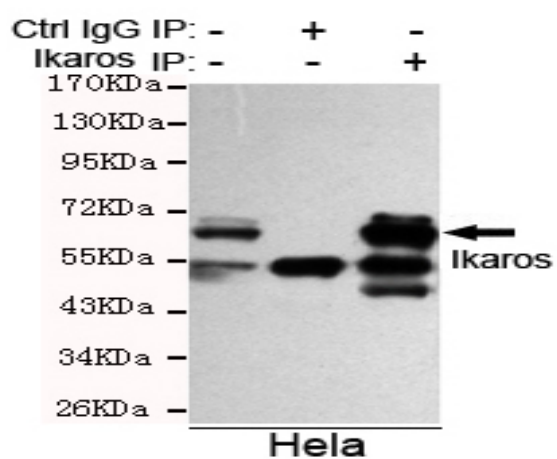
Abundantly expressed in thymus, spleen and peripheral blood Leukocytes and lymph nodes. Lower expression in bone marrow and small intestine.

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## 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.