

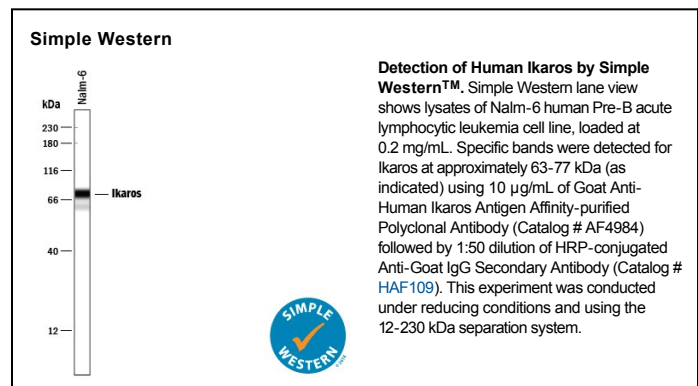
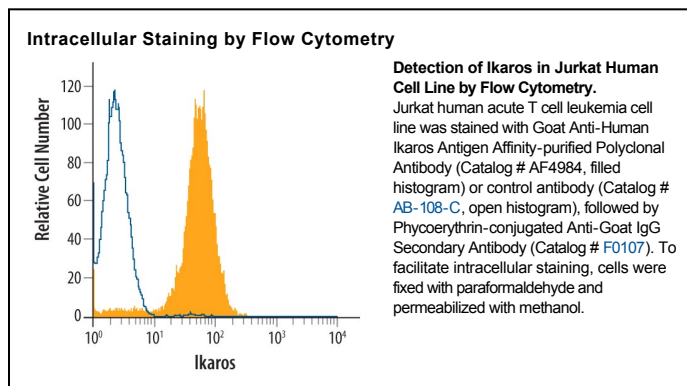
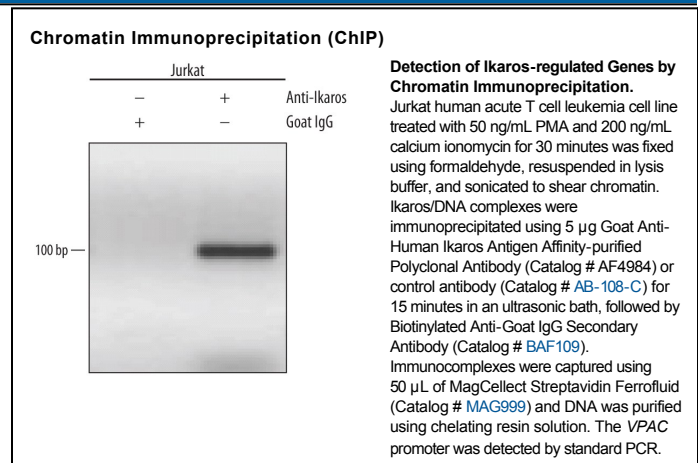
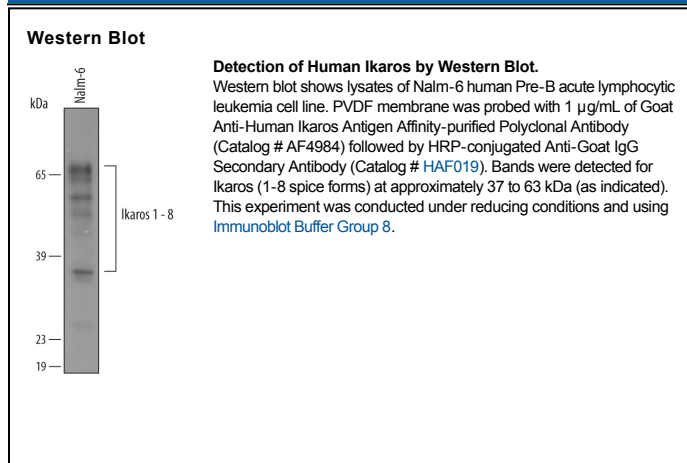
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human Ikaros in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human (rh) ZIC-1, rhZNF-24, and rhZNF-206 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Ikaros Ser427-Ser519 Accession # Q13422
Formulation	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
Western Blot	1 µg/mL	See Below
Chromatin Immunoprecipitation (ChIP)	5 µg/5 x 10 ⁶ cells	See Below
Immunocytochemistry	5-15 µg/mL	Immersion fixed Jurkat human acute T cell leukemia cell line
Intracellular Staining by Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
Simple Western	10 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Ikaros (also LyF1) is a 60 kDa member of the C2H2-type zinc-finger protein family. It is found in both T and B cells and serves as a context-dependent activator or repressor of genes. Human Ikaros is 519 amino acids (aa) in length. It possesses two zinc-finger domains, one at the N-terminus that contains four zinc-finger motifs (aa 117-224) and one at the C-terminus that contains two zinc-finger motifs (aa 462-514). The C-terminal motifs mediate homo- or heterodimerization, while the N-terminal motifs bind DNA. Multiple splice forms of 37 kDa to 47 kDa exist (Ikaros 2-8) with reduced numbers of N-terminal zinc-finger motifs. At least three are needed for DNA binding, and a heterodimer with a two-motif monomer is suggested to be transcriptionally inert. Over aa 427-519 (which are not spliced), human Ikaros shows 88% aa identity to mouse Ikaros.