Human Ikaros Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Goat IgG
Catalog Number: AF4984G
100 µg

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 recombinat human (rh) ZIC-1, rhZNF-24, and rhZNF-206 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human Ikaros Ser427-Ser519 Accession # Q13422
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Chromatin Immunoprecipitation (ChIP)	Optimal dilution of this antibody should be experimentally determined.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Intracellular Staining by Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

PRODUCT SPECIFIC NOTICES

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