

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human LAX1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human LAX1 isoform 1 Asn136-Glu398 Accession # Q8IWW1
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.
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

LAX1 (Linker for activation of X cells) is a 70 kDa member of a small group of T cell transmembrane (TM) adaptor proteins. It is upregulated on both T and B cells after activation, and likely downmodulates both BCR and TCR signaling. Human LAX1 is 398 amino acids (aa) in length. Although its predicted MW is 44 kDa, it runs anomalously at 70 kDa in SDS-PAGE. It is a type III (no signal sequence) TM protein that contains a 37 aa N-terminal extracellular region and a 340 aa cytoplasmic domain (aa 59-398). There are two potential isoform variants. One has an alternate start site at Met77, while a second shows a 13 aa substitution for aa 1-29. Over aa 136-398, human LAX1 is 47% aa identical to mouse LAX1.

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