

IL-7R-alpha Antibody

Catalog No: #48516

Package Size: #48516-1 50ul #48516-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

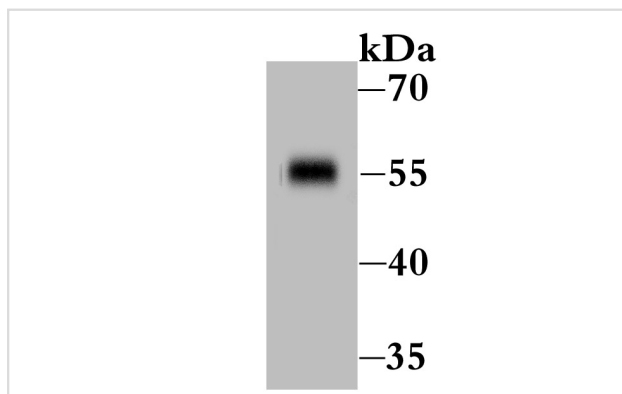
Description

Product Name	IL-7R-alpha Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Protein affinity purified
Applications	WB,IHC,FC
Species Reactivity	Hu, Zebrafish
Immunogen Description	Recombinant protein
Other Names	CD 127 antibody CD127 antibody CD127 antigen antibody CDw127 antibody IL 7R alpha antibody IL 7R antibody IL-7 receptor subunit alpha antibody IL-7R subunit alpha antibody IL-7R-alpha antibody IL-7RA antibody IL7R antibody IL7RA antibody IL7RA_HUMAN antibody IL7Ralpha antibody ILRA antibody Interleukin 7 receptor alpha chain antibody Interleukin 7 receptor antibody Interleukin 7 receptor isoform H5 6 antibody Interleukin-7 receptor subunit alpha antibody
Accession No.	Swiss-Prot#:P16871
Uniprot	P16871
GeneID	3575;
Calculated MW	52 kDa
Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

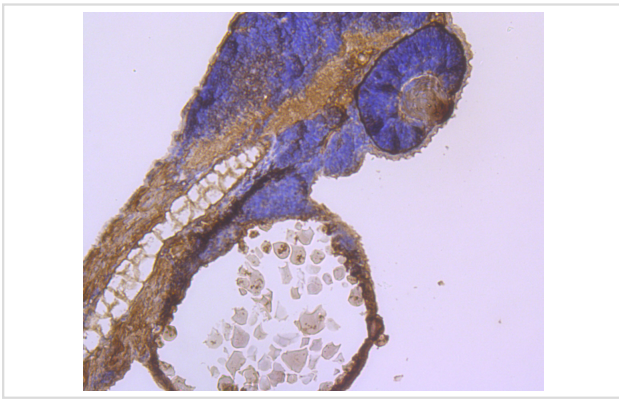
Application Details

WB: 1:500-1:1,000 IHC: 1:50-1:200FC: 1:50-1:100

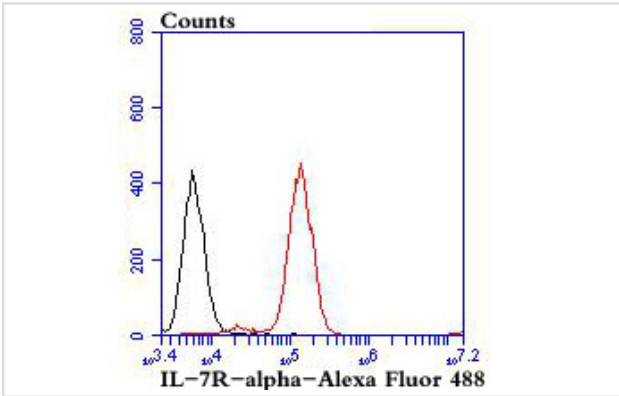
Images



Western blot analysis of IL-7R-alpha on zebrafish tissue lysate using anti-IL-7R-alpha antibody at 1/500 dilution.



Immunohistochemical analysis of paraffin-embedded zebrafish tissue using anti-IL-7R-alpha antibody. Counter stained with hematoxylin.



Flow cytometric analysis of Daudi cells with IL-7R-alpha antibody at 1/100 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black).

Background

Interleukin 7 (IL-7) was originally described as a factor capable of inducing in vitro proliferation of pre-B cells from marrow cultures. The IL-7 gene encodes a protein 177 amino acids in length. IL-7 exerts its biological function through the IL-7 receptor which is expressed on pre-B cells, thymocytes and bone marrow-derived macrophages. The IL-7 receptor is composed of an IL-7 receptor-specific chain and the IL-2 receptor γ chain common to the IL-2, IL-4, IL-7, IL-9 and IL-15 receptors. IL-7 stimulation leads to the activation of Janus tyrosine kinase family members JAK1 and JAK3. Other studies have shown that in T cells, the IL-7 receptor-specific chain associates with the Src kinases family Lck and Fyn. IL-7 induces phosphorylation of insulin receptor substrate-1 (IRS-1) and insulin receptor substrate-2 (IRS-2), originally called 4PS.

References

Note: This product is for in vitro research use only