



Anti-IL7 polyclonal antibody (DPAB-TJ087)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Isotype	IgG
Source/Host	Goat
Species Reactivity	Mouse
Purification	Affinity purified
Conjugate	Unconjugated
Applications	WB, IP, IF, IHC-P, ELISA
Molecular Weight	25 kDa
Concentration	0.2mg/ml
Size	200 μ g
Buffer	PBS with < 0.1% sodium azide and 0.1% gelatin
Preservative	< 0.1% Sodium Azide

Storage	Store at 4°C, DO NOT FREEZE. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.
----------------	--

GENE INFORMATION

Gene Name	Il7 interleukin 7 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Il7
Synonyms	Il7; interleukin 7; IL-7; hlb368; A630026I06Rik; interleukin-7
Entrez Gene ID	16196
Protein Refseq	NP_032397.1
UniProt ID	P10168
Chromosome Location	3 A1; 3 2.02 cM
Pathway	Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Cytokines and Inflammatory Response (BioCarta); Hematopoietic cell lineage; Immune System
Function	cytokine activity; cytokine receptor binding; growth factor activity; interleukin-7 receptor binding
