



Anti-IL7R monoclonal antibody, clone 243330 [Biotin] (DCABY-4325)

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

PRODUCT INFORMATION

Antigen Description	The biological effects of IL-7 are mediated by the binding of IL-7 to the specific cell surface receptor complex. The functional high-affinity IL-7 receptor (IL-7 R) comprises the IL-7 R alpha chain in association with the common gamma chain (gamma c). Both IL-7 R alpha and gamma c are members of the hematopoietin receptor superfamily. Human and mouse IL-7 R alpha show 64% amino acid sequence identity. IL-7 R alpha transcripts were observed in murine spleen, thymus, fetal liver, developing T cells, B cells, mature T cells and bone marrow-derived macrophages.
Specificity	Detects recombinant mouse IL-7 R alpha/CD127 in direct ELISAs and Western blots.
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse IL-7 R alpha/CD127. Glu21-Asp239 Accession Number P16872
Isotype	IgG2b
Source/Host	Rat
Species Reactivity	Mouse
Clone	243330
Purification	Protein A or G purified from hybridoma culture supernatant
Conjugate	Biotin
Applications	ELISA Detection (Matched Pair)
Format	Liquid
Size	250 µg

Buffer	Lyophilized from a 0.2 µm filtered solution in PBS with BSA as a carrier protein.
Preservative	None
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 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.

GENE INFORMATION

Gene Name	Il7r interleukin 7 receptor [Mus musculus (house mouse)]
Official Symbol	IL7R
Synonyms	IL7R; interleukin 7 receptor; CD127; IL-7Ralpha; interleukin-7 receptor subunit alpha; IL-7RA; IL-7R-alpha; IL-7R subunit alpha; IL-7 receptor alpha chain; IL-7 receptor subunit alpha; interleukin 7 receptor alpha chain;
Entrez Gene ID	16197
Protein Refseq	NP_032398
UniProt ID	P16872
Chromosome Location	15 A1; 15 4.16 cM
Pathway	Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; FoxO signaling pathway; Hematopoietic cell lineage; IL-7 Signaling Pathway; Immune System; Interleukin-7 signaling; Jak-STAT signaling pathway;
Function	cytokine receptor activity;