Il7r (phospho Y449) polyclonal antibody

Catalog # PAB10331 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Il7r.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding Y449 of mouse Il7r.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to mouse IL-7 protein phosphorylated at Y449.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:100000) Western Blot (1:1000-1:10000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM KH_2PO_4, 150 mM NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry
- Enzyme-linked Immunoabsorbent Assay

Gene Info — Il7r

Entrez GeneID	16197
Protein Accession#	P31749;P16872
Gene Name	Il7r
Gene Alias	CD127, IL-7Ralpha, MGC107557
Gene Description	interleukin 7 receptor
Gene Ontology	Hyperlink
Other Designations	IL-7 receptor alpha chain|interleukin 7 receptor alpha chain

Publication Reference

- Impaired CD8 T cell memory and CD4 T cell primary responses in IL-7R alpha mutant mice.

  Osborne LC, Dhanji S, Snow JW, Priatel JJ, Ma MC, Miners MJ, Teh HS, Goldsmith MA, Abraham N.

  The Journal of Experimental Medicine 2007 Mar; 204(3):619.

- Chemokine-guided CD4+ T cell help enhances generation of IL-6RalphahighIL-7Ralpha high prememory CD8+ T cells.

  Castellino F, Germain RN.

  The Journal of Immunology 2007 Jan; 178(2):778.

- Human CD4+ regulatory T cells express lower levels of the IL-7 receptor alpha chain (CD127), allowing consistent identification and sorting of live cells.

  Hartigan-O'Connor DJ, Poon C, Sinclair E, McCune JM.

  Journal of Immunological Methods 2007 Jan; 319(1-2):41.