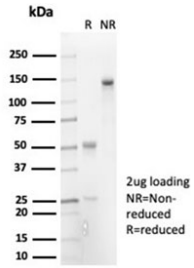
Recombinant IL-7 Antibody [clone IL7/7053R] (V5369)

Catalog No.	Formulation	Size
V5369-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5369-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5369SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	IL7/7053R
Purity	Protein A/G affinity
UniProt	P13232
Localization	Secreted
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-3ug/ml
Limitations	This recombinant IL-7 antibody is available for research use only.



SDS-PAGE analysis of purified, BSA-free recombinant IL-7 antibody (clone IL7/7053R) as confirmation of integrity and purity.

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 ? 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.

Application Notes

Optimal dilution of the recombinant IL-7 antibody should be determined by the researcher.

Immunogen

A recombinant fragment (within amino acids 27-177) corresponding to the mature human IL7 protein was used as the immunogen for the recombinant IL-7 antibody.

Storage

Aliquot the recombinant IL-7 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.