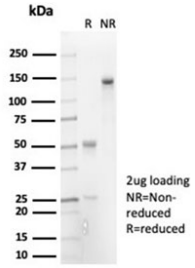
# Recombinant IL-7 Antibody IL7/7053R / Interleukin 7 Recombinant Antibody [clone IL7/7053R] (V5369)

| 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**

| | |
|---|---|
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Rabbit |
| **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<br>Immunofluorescence: 1-3ug/ml |
| **Limitations** | This Recombinant IL-7 Antibody IL7/7053R / Interleukin 7 Recombinant Antibody is available for research use only. |




SDS-PAGE analysis of purified, BSA-free Recombinant IL-7 Antibody 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.

Explore our protein microarray-validated IL-7 Antibody IL7/4012 for investigating interleukin 7 expression, lymphocyte development, cytokine signaling, and immune homeostasis.

## Application Notes

Optimal dilution of the Recombinant IL-7 Antibody IL7/7053R / Interleukin 7 Recombinant 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 IL7/7053R.

## Storage

Aliquot the Recombinant IL-7 Antibody IL7/7053R and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

## Alternate Names

IL-7 antibody, IL7 antibody, Interleukin-7 antibody, Lymphopoietin 1 antibody, Lymphopoietin-1 antibody, IL-7 cytokine antibody


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