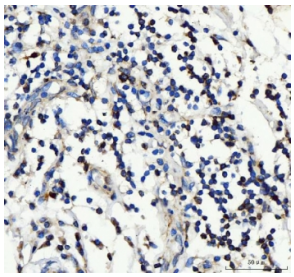
# IL2RA Antibody / CD25 (R30839)

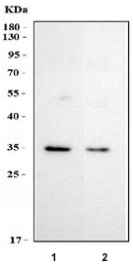
| Catalog No. | Formulation | Size |
|---|---|---|
| R30839 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | P01589 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 2-5ug/ml |
| **Limitations** | This IL2RA antibody is available for research use only. |



IHC staining of FFPE human lymph cancer tissue with IL2RA antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.




Western blot testing of 1) 10ng of recombinant human IL2RA protein and 2) 5ng of recombinant human IL2RA protein with IL2RA antibody.

## Description

Interleukin 2 receptor, alpha, also called IL2R, IL2R, Alpha Chain or CD25, is a protein that in humans is encoded by the IL2RA gene. IL2RA is composed of strand-swapped sushi-like domains, unlike the classical cytokine receptor fold. As a result of this domain swap, it uses a composite surface to dock into a groove on IL2 that also serves as a binding site for antagonist drugs. Homodimeric alpha chains result in low-affinity receptor, while homodimeric beta chains produce a medium-affinity receptor. Normally an integral-membrane protein, soluble IL2RA has been isolated and determined to result from extracellular proteolyisis. Infection by the protozoan Trypanosoma cruzi causes Chagas disease, characterized by a reduction in the amount of IL2RA expressed on the surface of immune cells. This leads to chronic immune suppression, becoming increasingly severe over the course of many years and ultimately resulting in death if left untreated.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the IL2RA antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the N-terminus of human IL2RA (MAYKEGTMLNCECKRGFRR) was used as the immunogen for this IL2RA antibody.

## Storage

After reconstitution, the IL2RA antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.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