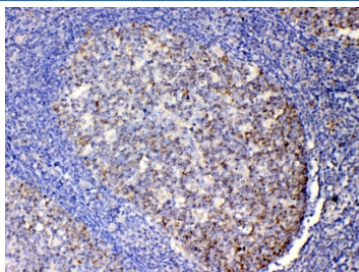


## IL-13 Antibody (R32710)

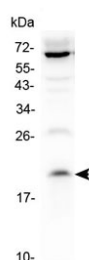
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| R32710      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                                     |
|---------------------------|---------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                   |
| <b>Species Reactivity</b> | Human                                                               |
| <b>Format</b>             | Antigen affinity purified                                           |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                          |
| <b>Isotype</b>            | Rabbit IgG                                                          |
| <b>Purity</b>             | Antigen affinity                                                    |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide          |
| <b>UniProt</b>            | P35225                                                              |
| <b>Localization</b>       | Cytoplasmic, membranous, secreted                                   |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml |
| <b>Limitations</b>        | This IL-13 antibody is available for research use only.             |



IHC testing of FFPE human tonsil tissue with IL-13 antibody at 1ug/ml. Required HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to testing.



Western blot testing of human 1) HepG2 and 2) K562 cell lysate with IL-13 antibody at 0.5ug/ml. Predicted molecular weight: 13-16 kDa.

## Description

Interleukin 13 is a protein that in humans is encoded by the IL-13 gene. It is a kind of cytokine secreted by many cell types, but especially T helper type 2 (Th2) cells, which is an important mediator of allergic inflammation and disease. The IL-13 gene is mapped to 5q23-q31. IL-13 induces its effects through a multi-subunit receptor that includes the alpha chain of the IL-4 receptor (IL-4RA) and at least one of two known IL-13-specific binding chains. Furthermore, this gene acts more prominently as a molecular bridge linking allergic inflammatory cells to the non-immune cells in contact with them, thereby altering physiological function.

## Application Notes

Optimal dilution of the IL-13 antibody should be determined by the researcher.

## Immunogen

Amino acids P36-N146 from the human protein were used as the immunogen for the IL-13 antibody.

## Storage

After reconstitution, the IL-13 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.