# Recombinant IL4/IL-4/Interleukin-4 Monoclonal Antibody

**catalog number:** **AN300029P**

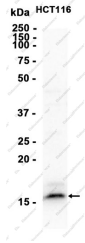
**Note:** *Centrifuge before opening to ensure complete recovery of vial contents.*

## Description

| | |
|---|---|
| **Reactivity** | Human |
| **Immunogen** | Recombinant Human IL4/IL-4/Interleukin-4 Protein |
| **Host** | Rabbit |
| **Isotype** | Rabbit IgG |
| **Clone** | C370025 |
| **Purification** | Protein A |
| **Buffer** | 0.2 μm filtered solution in PBS |

| Applications | Recommended Dilution |
|---|---|
| **WB:** | 1:1000；ICC/IF: 1:200-1:500；FC: 1:100 |

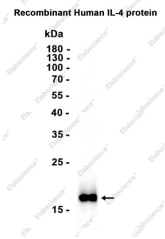
## Data




Western blot analysis of extracts from HCT116 cells at 1:1000.

**Observed-MW:17 kDa**

**Calculated-MW:17 kDa**




Western blot analysis of Recombinant Human IL-4 protein at 1:1000.

**Observed-MW:17 kDa**

**Calculated-MW:17 kDa**

## Preparation & Storage

| | |
|---|---|
| **Storage** | Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles. |
| **Shipping** | Ice bag |

## Background

The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been reporte d. [provided by RefSeq, Jul 2008]


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