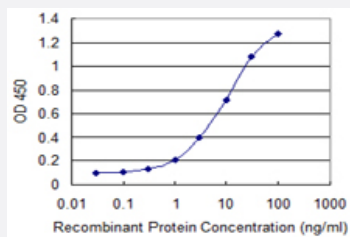


# IL15RA monoclonal antibody (M01), clone 1C5

Catalog # H00003601-M01

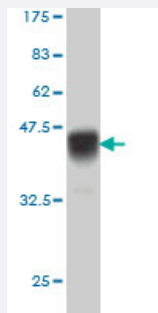
Size 100 ug

## Applications



### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IL15RA is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.74 KDa) .

## Specification

|                            |                                                                                                                    |
|----------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against a partial recombinant IL15RA.                                             |
| <b>Immunogen</b>           | IL15RA (NP_002180, 31 a.a. ~ 130 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| <b>Sequence</b>            | ITCPPMSVEHADIMVKSYSLYSRERYICNSGFKRKAGTSSLTECVLNKATNVAHWTPSLKCIRD<br>PALVHQRPAAPPSTVTAGVTPQPESLSPSGKEPA             |
| <b>Host</b>                | Mouse                                                                                                              |
| <b>Reactivity</b>          | Human                                                                                                              |

|                               |                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------|
| Interspecies Antigen Sequence | Mouse (76); Rat (75)                                                                                     |
| Isotype                       | IgG2b Kappa                                                                                              |
| Quality Control Testing       | Antibody Reactive Against Recombinant Protein.<br>Western Blot detection against Immunogen (36.74 KDa) . |
| Storage Buffer                | In 1x PBS, pH 7.4                                                                                        |
| Storage Instruction           | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                 |

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged IL15RA is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

## Gene Info — IL15RA

|                     |                                |
|---------------------|--------------------------------|
| Entrez GeneID       | <a href="#">3601</a>           |
| GeneBank Accession# | <a href="#">NM_002189</a>      |
| Protein Accession#  | <a href="#">NP_002180</a>      |
| Gene Name           | IL15RA                         |
| Gene Alias          | MGC104179                      |
| Gene Description    | interleukin 15 receptor, alpha |
| Omim ID             | <a href="#">601070</a>         |
| Gene Ontology       | <a href="#">Hyperlink</a>      |

**Gene Summary**

The protein encoded by this gene is a cytokine receptor that specifically binds IL15 with high affinity. The receptors of IL15 and IL2 share two subunits, the IL2R beta and IL2R gamma chains. This forms the basis of many overlapping biological activities of IL15 and IL2. The IL2 receptor requires an additional IL2-specific alpha subunit for high affinity IL2 binding. This protein is structurally related to IL2R alpha, but is capable of binding IL15 with high affinity independent of other subunits, which suggests the distinct roles between IL15 and IL2. This receptor is reported to enhance cell proliferation and expression of apoptosis inhibitor BCL2L1/BCL2-XL and BCL2. Multiple alternatively spliced transcript variants of this gene have been reported. The full length sequences of only two variants encoding distinct isoforms are available. [provided by RefSeq]

**Other Designations**

OTTHUMP00000019021|OTTHUMP00000019022

**Pathway**

- [Cytokine-cytokine receptor interaction](#)
- [Jak-STAT signaling pathway](#)

**Disease**

- [Adenocarcinoma](#)
- [Alzheimer Disease](#)
- [Asthma](#)
- [Bronchiolitis](#)
- [Carcinoma](#)
- [Celiac Disease](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperparathyroidism](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Metabolic Syndrome X](#)

- [Obesity](#)
- [Pulmonary Disease](#)
- [Respiratory Syncytial Virus Infections](#)
- [Syndrome](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)