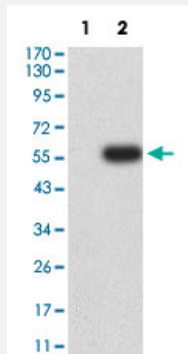


# IL2RG monoclonal antibody, clone 4A8E5

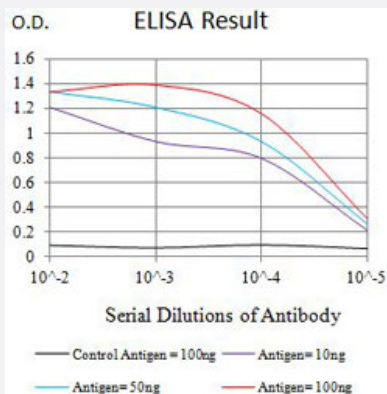
Catalog # MAB21421      Size 100 ug

## Applications



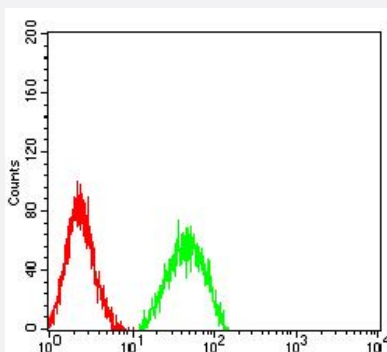
### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: IL2RG-hlgGfc transfected HEK293 cell lysates with IL2RG monoclonal antibody, clone 4A8E5 (Cat # MAB21421).



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis with IL2RG monoclonal antibody, clone 4A8E5 (Cat # MAB21421).



### Flow Cytometry

Flow cytometric analysis of HL-60 cells with IL2RG monoclonal antibody, clone 4A8E5 (Cat # MAB21421) (Green). Red: Negative Control.

## Specification

|                      |                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Description  | Mouse monoclonal antibody raised against partial recombinant human IL2RG.                                                                            |
| Immunogen            | Recombinant protein corresponding to amino acids 23-262 of human IL2RG.                                                                              |
| Host                 | Mouse                                                                                                                                                |
| Theoretical MW (kDa) | 42.3                                                                                                                                                 |
| Reactivity           | Human                                                                                                                                                |
| Form                 | Liquid                                                                                                                                               |
| Isotype              | IgG1                                                                                                                                                 |
| Recommend Usage      | ELISA (1:10000)<br>Flow Cytometry (1:200-1:400)<br>Western Blot (1:500-1:2000)<br>The optimal working dilution should be determined by the end user. |
| Storage Buffer       | In PBS (0.05% sodium azide).                                                                                                                         |
| Storage Instruction  | Store at 4°C. For long term storage store at -20°C.<br>Aliquot to avoid repeated freezing and thawing.                                               |
| Note                 | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                               |

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: IL2RG-hlgGfc transfected HEK293 cell lysates with IL2RG monoclonal antibody, clone 4A8E5 (Cat # MAB21421).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with IL2RG monoclonal antibody, clone 4A8E5 (Cat # MAB21421).

- Flow Cytometry

Flow cytometric analysis of HL-60 cells with IL2RG monoclonal antibody, clone 4A8E5 (Cat # MAB21421) (Green). Red: Negative Control.

## Gene Info — IL2RG

Entrez GeneID [3561](#)

Protein Accession# [P31785](#)

|                    |                                                                                                                                                                                                                                                                                                                            |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name          | IL2RG                                                                                                                                                                                                                                                                                                                      |
| Gene Alias         | CD132, IMD4, SCIDX, SCIDX1                                                                                                                                                                                                                                                                                                 |
| Gene Description   | interleukin 2 receptor, gamma (severe combined immunodeficiency)                                                                                                                                                                                                                                                           |
| Omim ID            | <a href="#">300400</a> <a href="#">308380</a> <a href="#">312863</a>                                                                                                                                                                                                                                                       |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                  |
| Gene Summary       | The interleukin 2 (IL2) receptor gamma chain (IL2RG), an important signalling component of many interleukin receptors (IL2,IL4,IL7,IL9, and IL15), is thus referred to as the common gamma chain. Mutations in this X-chromosome-linked gene cause X-linked severe combined immunodeficiency (XSCID). [provided by RefSeq] |
| Other Designations | common cytokine receptor gamma chain interleukin 2 receptor gamma chain interleukin 2 receptor, gamma                                                                                                                                                                                                                      |

## Pathway

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

## Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Genetic Predisposition to Disease](#)
- [Immunologic Deficiency Syndromes](#)
- [Infant](#)
- [Lymphopenia](#)
- [Respiratory Syncytial Virus Infections](#)
- [Severe combined immunodeficiency](#)