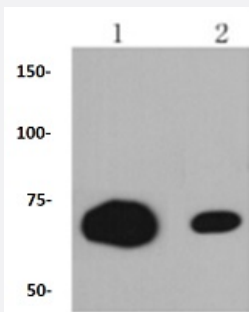


RecomAb™

## CD86 recombinant monoclonal antibody

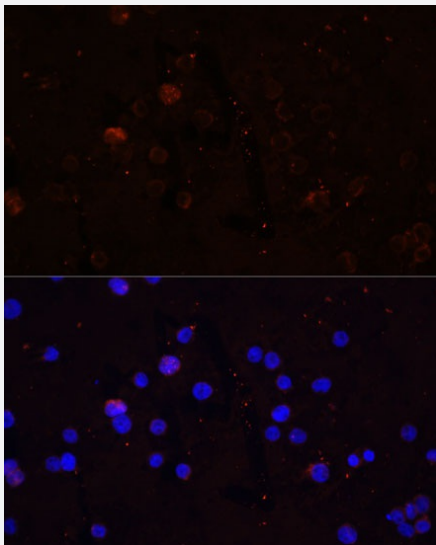
Catalog # RAB02398      Size 100 uL

### Applications



#### Western Blot (Cell lysate)

Western blot analysis of extracts of various cell lines, using CD86 recombinant monoclonal antibody (Cat # RAB02398) at 1:500 dilution.



#### Immunofluorescence

Immunofluorescence analysis of THP-1 cells using CD86 recombinant monoclonal antibody (Cat # RAB02398) at dilution of 1:100 . Blue: DAPI for nuclear staining.

### Specification

|                      |                                                                         |
|----------------------|-------------------------------------------------------------------------|
| Product Description  | Rabbit recombinant monoclonal antibody raised against recombinant CD86. |
| Antibody Species     | Rabbit                                                                  |
| Theoretical MW (kDa) | 37, 70                                                                  |

|                     |                                                                                                                                         |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity          | Horse, Human, Rat                                                                                                                       |
| Specificity         | This antibody detects endogenous levels of CD86 and does not cross-react with related proteins.                                         |
| Form                | Liquid                                                                                                                                  |
| Purification        | Protein A purification                                                                                                                  |
| Isotype             | IgG                                                                                                                                     |
| Recommend Usage     | Immunocytochemistry (1:50-1:200)<br>Immunofluorescence (1:50-1:200)<br>Immunohistochemistry (1:50-1:200)<br>Western Blot (1:500-1:2000) |
| Storage Buffer      | In PBS, pH 7.2 (0.02% sodium azide and 50% glycerol)                                                                                    |
| Storage Instruction | Store at 4°C short term.<br>Aliquot and store at -20°C long term.<br>Avoid freeze-thaw cycles.                                          |
| Note                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.                  |

## Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts of various cell lines, using CD86 recombinant monoclonal antibody (Cat # RAB02398) at 1:500 dilution.

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunocytochemistry

- Immunofluorescence

Immunofluorescence analysis of THP-1 cells using CD86 recombinant monoclonal antibody (Cat # RAB02398) at dilution of 1:100 . Blue: DAPI for nuclear staining.

- Flow Cytometry

## Gene Info — CD86

Entrez GeneID [942](#)

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protein Accession# | <a href="#">P42081</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Name          | CD86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Alias         | B7-2, B70, CD28LG2, LAB72, MGC34413                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Gene Description   | CD86 molecule                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Omim ID            | <a href="#">601020</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Summary       | This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequences have not been determined. [provided by RefSeq] |
| Other Designations | B-lymphocyte activation antigen B7-2 B7-2 antigen CD28 antigen ligand 2 CD86 antigen CD86 antigen (CD28 antigen ligand 2, B7-2 antigen) CTLA-4 counter-receptor B7.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

## Pathway

- [Allograft rejection](#)
- [Autoimmune thyroid disease](#)
- [Cell adhesion molecules \(CAMs\)](#)
- [Graft-versus-host disease](#)
- [Systemic lupus erythematosus](#)
- [Toll-like receptor signaling pathway](#)
- [Type I diabetes mellitus](#)

## Disease

- [Acute Disease](#)
- [Arthritis](#)
- [Asthma](#)

- [Atherosclerosis](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Eruptions](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Kidney Failure](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Malignant melanoma](#)
- [Melanoma](#)
- [Multiple Sclerosis](#)
- [Papillomavirus Infections](#)
- [Pemphigus](#)
- [Pulmonary Disease](#)
- [Recurrence](#)

- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
  
- [Scleroderma](#)
  
- [Urinary Bladder Neoplasms](#)
  
- [Uterine Cervical Neoplasms](#)
  
- [Werner syndrome](#)