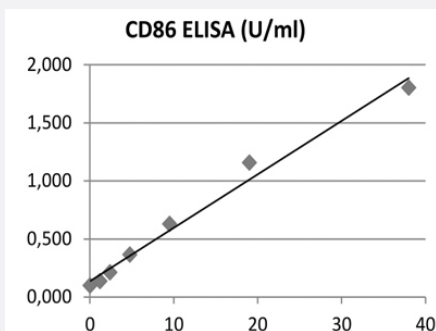


# CD86 (Human) ELISA Kit

Catalog # KA3847

Size 1 Kit

## Applications



The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

## Specification

|                            |                                                                                                         |
|----------------------------|---------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | CD86 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human CD86. |
| <b>Suitable Sample</b>     | Cell Culture Supernatant, Plasma, Serum                                                                 |
| <b>Sample Volume</b>       | 100 $\mu$ L                                                                                             |
| <b>Label</b>               | Biotin-conjugated                                                                                       |
| <b>Detection Method</b>    | Colorimetric                                                                                            |
| <b>Assay Type</b>          | Quantitative                                                                                            |
| <b>Intra-Assay</b>         | 2.3%                                                                                                    |
| <b>Inter-Assay</b>         | 4.3%                                                                                                    |
| <b>Calibration Range</b>   | 1.187 U/ml-38 U/ml                                                                                      |
| <b>Limit of Detection</b>  | 0.6 U/ml                                                                                                |
| <b>Reactivity</b>          | Human                                                                                                   |
| <b>Regulation Status</b>   | For research use only (RUO)                                                                             |

**Quality Control Testing**

## Standard curve

The standard curve is for the purpose of demonstration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

**Storage Instruction**

Store the kit at 4°C.

## Applications

- Quantification

## Gene Info — CD86

**Entrez GeneID**[942](#)**Gene Name**

CD86

**Gene Alias**

B7-2, B70, CD28LG2, LAB72, MGC34413

**Gene Description**

CD86 molecule

**Omim ID**[601020](#)**Gene Ontology**[Hyperlink](#)**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](#)