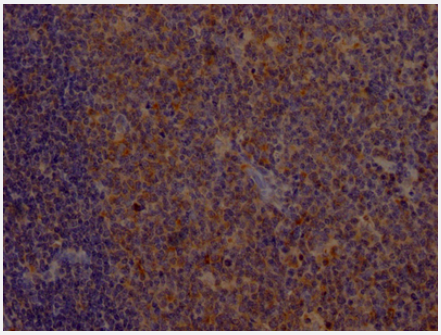
RecomAb™

# CD80 recombinant monoclonal antibody, clone 3C3

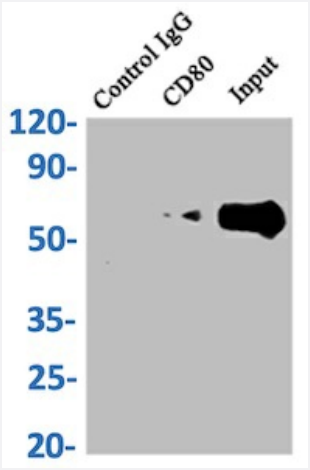
Catalog # RAB04053 Size 100 uL

## Applications



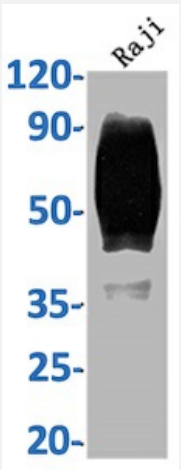
### Immunohistochemistry

Immunohistochemistry image of CD80 recombinant monoclonal antibody, clone 3C3 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system.




### Immunoprecipitation

Immunoprecipitating CD80 in Raji whole cell lysate.




### Western Blot

Western Blot analysis of Lane 1: Raji whole cell lysate.

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## Specification

| | |
|---|---|
| **Product Description** | Rabbit recombinant monoclonal antibody raised against human CD80. |
| **Antibody Species** | Rabbit |
| **Immunogen** | Original antibody is raised against recombinant protein corresponding to full length human CD80. |
| **Reactivity** | Human |
| **Form** | Liquid |
| **Preparation Method** | Mammalian cell (HEK293) expression system |
| **Purification** | Affinity-chromatography |
| **Isotype** | IgG |
| **Recommend Usage** | ELISA<br>Immunohistochemistry (1:50-1:200)<br>Immunoprecipitation(1:200-1:1000)<br>Western Blot (1:500-1:5000)<br>The optimal working dilution should be determined by the end user. |
| **Storage Buffer** | In PBS, pH7.4 (150mM NaCl, 50% glycerol and 0.02% sodium azide) |
| **Storage Instruction** | Store at -20 °C or -80 °C.<br>Aliquot to avoid repeated freezing and thawing. |
| **Note** | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only. |

## Applications

- Immunohistochemistry

  Immunohistochemistry image of CD80 recombinant monoclonal antibody, clone 3C3 diluted at 1:100 and staining in paraffin-embedded human tonsil tissue performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

- Immunoprecipitation

  Immunoprecipitating CD80 in Raji whole cell lysate.

- Western Blot

  Western Blot analysis of Lane 1: Raji whole cell lysate.

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## Gene Info — CD80

| | |
|---|---|
| **Entrez GeneID** | 941 |
| **Protein Accession#** | P33681 |
| **Gene Name** | CD80 |
| **Gene Alias** | CD28LG, CD28LG1, LAB7 |
| **Gene Description** | CD80 molecule |
| **Omim ID** | 112203 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The B-lymphocyte activation antigen B7-1 (formerly referred to as B7) provides regulatory signals for T lymphocytes as a consequence of binding to the CD28 (MIM 186760) and CTLA4 (MIM 123 890) ligands of T cells.[supplied by OMIM |
| **Other Designations** | B-lymphocyte activation antigen B7\|CD80 antigen\|CD80 antigen (CD28 antigen ligand 1, B7-1 an tigen)\|costimulatory factor CD80\|costimulatory molecule variant IgV-CD80 |

## 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

- Arthritis
- Asthma

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- Bronchiolitis
- Carcinoma
- Celiac Disease
- Disease Progression
- Genetic Predisposition to Disease
- Hepatitis C
- Infant
- Liver Neoplasms
- Lung Neoplasms
- Lupus Erythematosus
- Multiple Sclerosis
- Papillomavirus Infections
- Pulmonary Disease
- Respiratory Syncytial Virus Infections
- Sarcoidosis
- Urinary Bladder Neoplasms
- Uterine Cervical Neoplasms
- Viremia
- Werner syndrome

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