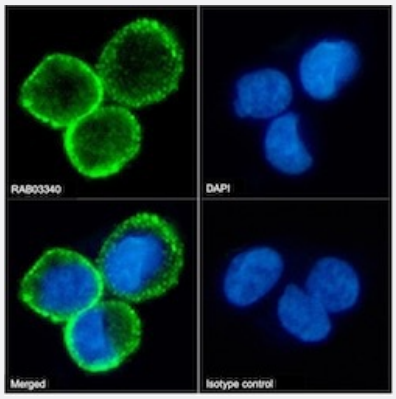
RecomAb™

CD80 recombinant monoclonal antibody, clone 16C10

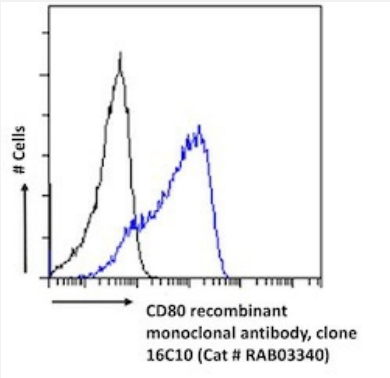
Catalog # RAB03340 Size 200 ug

Applications



Immunofluorescence

Immunofluorescent staining of Daudi cells with CD80 recombinant monoclonal antibody, clone 16C10 (Cat # RAB03340).
Immunofluorescence analysis of paraformaldehyde fixed Daudi cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03340 at 10 ug/ml for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/ml)- showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right- top-bottom RAB03340- DAPI- merged channels and an isotype control. The isotype control was an unknown specificity antibody (3.0) followed by staining with Alexa Fluor® 488 secondary antibody.



Flow Cytometry

Flow cytometric analysis of Daudi cells with CD80 recombinant monoclonal antibody, clone 16C10 (Cat # RAB03340).
Daudi cells were fixed using 2% PFA and stained with anti-unknown specificity antibody (3.0; isotype control- black line) or the r1 version of RAB03340 (blue line) at a dilution of 1:100 for 1h at RT. After washing- the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CD80.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against human B7.1 antigen.
Reactivity	Human

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Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Isotype	IgG lambda
Recommend Usage	Blocking ELISA Flow Cytometry Immunofluorescence The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% Proclin 300)
Storage Instruction	Store at 4°C for 3 months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunofluorescence

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- Enzyme-linked Immunoabsorbent Assay

- Blocking

Gene Info — CD80

Entrez GeneID	941
Gene Name	CD80
Gene Alias	CD28LG, CD28LG1, LAB7
Gene Description	CD80 molecule

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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
- Bronchiolitis
- Carcinoma
- Celiac Disease
- Disease Progression
- Genetic Predisposition to Disease
- Hepatitis C
- Infant

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- 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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