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# CD80 Rabbit mAb

**Catalog No.: A23688** Recombinant 3 Publications

## Basic Information

**Observed MW**
50-75 kDa

**Calculated MW**
34 kDa

**Category**
Primary antibody

**Applications**
WB,IF/ICC,IF-P,IHC-P,FC,ELISA

**Cross-Reactivity**
Human, Mouse, Rat

**CloneNo number**
ARC61485

## Background

Predicted to enable coreceptor activity. Acts upstream of or within T cell costimulation; cellular response to lipopolysaccharide; and positive regulation of alpha-beta T cell proliferation. Located in external side of plasma membrane. Is expressed in heart ventricle and skin. Human ortholog(s) of this gene implicated in type 1 diabetes mellitus. Orthologous to human CD80 (CD80 molecule).

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:1000 - 1:3000 |
| **IF/ICC** | 1:100 - 1:200 |
| **IF-P** | 1:100 - 1:200 |
| **IHC-P** | 1:100 - 1:400 |
| **FC** | 1:100 - 1:500 |
| **ELISA** | Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements. |

## Immunogen Information

**Gene ID**
12519

**Swiss Prot**
Q00609

**Immunogen**
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

**Synonyms**
B71; Ly53; TSA1; Cd28l; Ly-53; MIC17; CD80

## Product Information

**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20℃

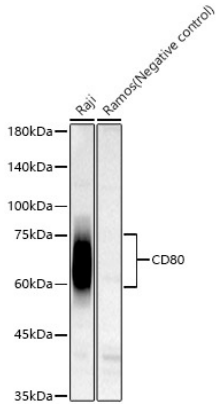
## Contact


400-999-6126

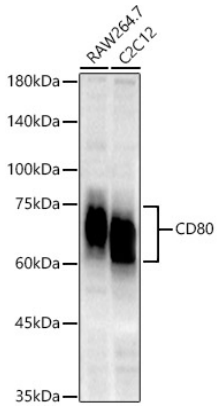
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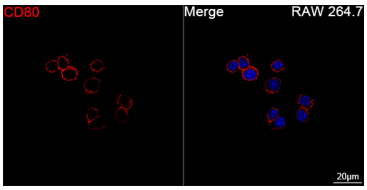
## Validation Data



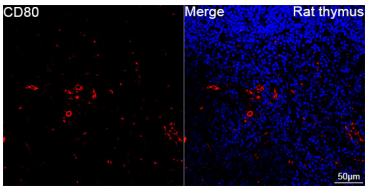

Western blot analysis of various lysates, using CD80 Rabbit mAb (A23688) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45s.



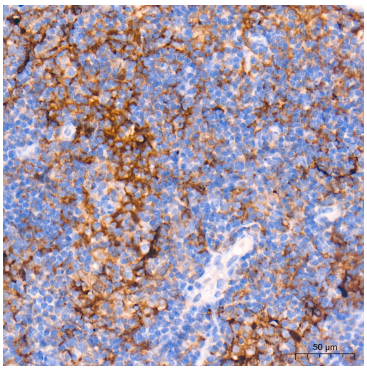

Western blot analysis of various lysates, using CD80 Rabbit mAb (A23688) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.




Confocal imaging of RAW 264.7 cells using CD80 Rabbit mAb (A23688, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 100x.

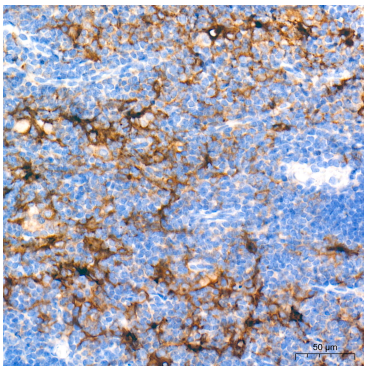



Confocal imaging of paraffin-embedded Rat thymus tissue using CD80 Rabbit mAb (A23688, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.




Immunohistochemistry analysis of paraffin-embedded Rat thymus tissue using CD80 Rabbit mAb (A23688) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

## Validation Data




Immunohistochemistry analysis of paraffin-embedded Mouse thymus tissue using CD80 Rabbit mAb (A23688) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



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