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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℃

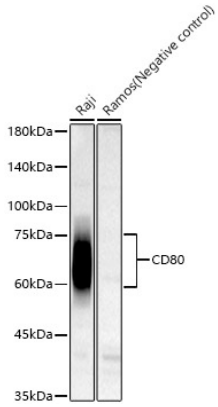
Contact

400-999-6126

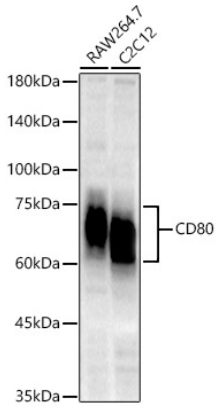
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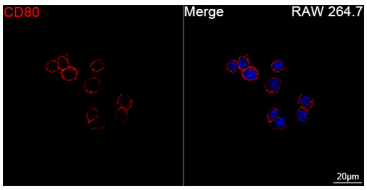
Validation Data



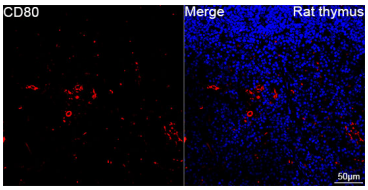
Western blot analysis of various lysates, using CD80 Rabbit mAb (A23688) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure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



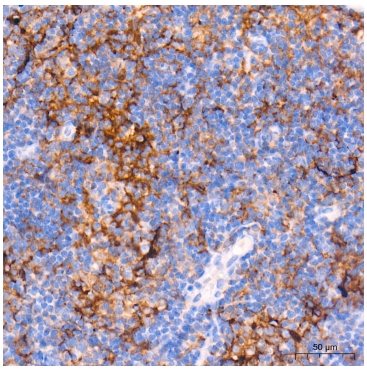
Western blot analysis of various lysates, using CD80 Rabbit mAb (A23688) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure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

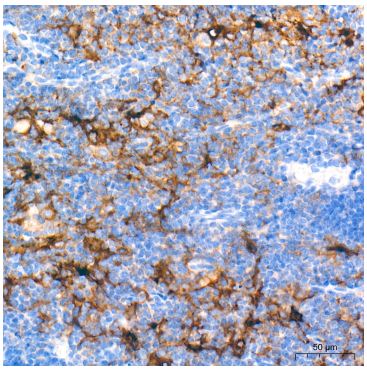


Confocal imaging of paraffin-embedded Rat thymus tissue using CD80 Rabbit mAb (A23688, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with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