

A23688

Leader in Biomolecular Solutions for Life Science



CD80 Rabbit mAb

Catalog No.: A23688

Recombinant

3 Publications

Basic Information

Observed MW

50-75 kDa

Calculated MW

34 kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

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

Cross-Reactivity

Human,Mouse,Rat

Clone 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

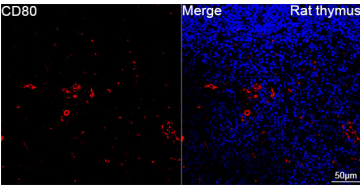
Store at -20°C

Contact

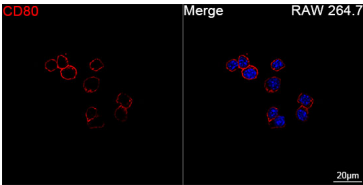


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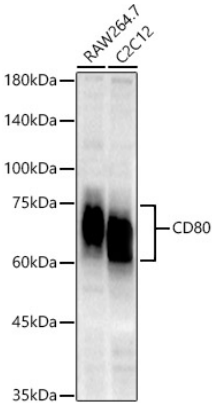
Validation Data



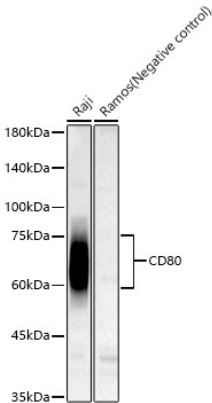
Immunohistochemistry analysis of paraffin-embedded Rat thymus tissue using CD80 Rabbit mAb (A23688) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining



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

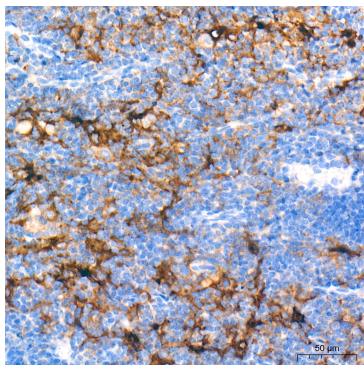


Western blot analysis of various lysates, using CD80 Rabbit mAb (A23688) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure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

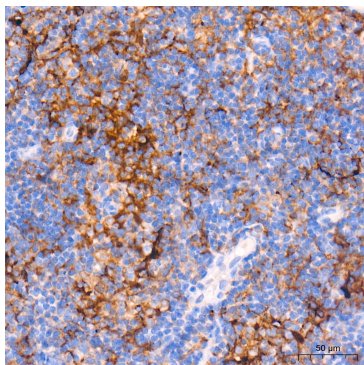


Western blot analysis of various lysates, using CD80 Rabbit mAb (A23688) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure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

Validation Data



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