

A23995

Leader in Biomolecular Solutions for Life Science



ICOS/CD278 Rabbit mAb

Catalog No.: A23995

Recombinant

Basic Information

Observed MW

22-35kDa (C-terminal protein)

Calculated MW

22kDa

Category

SMab Recombinant Monoclonal
Antibody

Applications

WB,IF/ICC,FC,ELISA

Cross-Reactivity

Mouse

CloneNo number

ARC62052

Background

Predicted to be involved in T cell costimulation; T cell tolerance induction; and cell-cell adhesion. Located in external side of plasma membrane. Is integral component of plasma membrane. Used to study common variable immunodeficiency. Human ortholog(s) of this gene implicated in celiac disease; common variable immunodeficiency; and immunoglobulin alpha deficiency. Orthologous to human ICOS (inducible T cell costimulator).

Recommended Dilutions

WB 1:500 - 1:1000

IF/ICC 1:200 - 1:400

FC 1:500 - 1:1000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

54167

Swiss Prot

Q9WVS0

Immunogen

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

Synonyms

H4; CCLP; AILIM; CRP-1; Ly115; ICOS/CD278

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

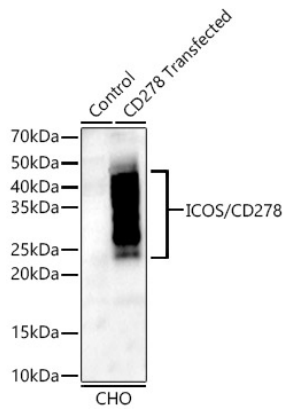
Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Contact



www.abclonal.com

Validation Data



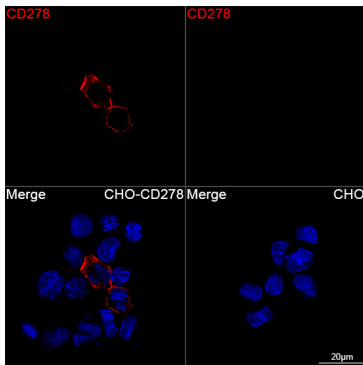
Western blot analysis of lysates from wild type (WT) and CHO cells transfected with CD278 using CD278 Rabbit mAb (A23995) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

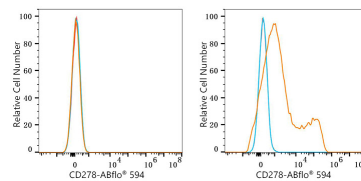
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Enhanced Kit (RM00021).

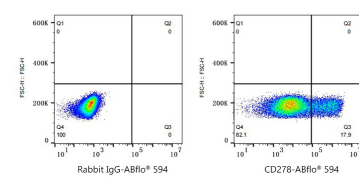
Exposure time: 180s.



Confocal imaging of CHO (Transfection, left) and CHO cells (negative control, right) using CD278 Rabbit mAb (A23995, dilution 1:200) (Red). DAPI was used for nuclear staining (blue). Objective: 100x.



Flow cytometry: 1×10^6 CHO cells (negative control, left) and CHO (Transfection, right) were surface-stained with CD278 Rabbit mAb (A23995, 2 µg/mL, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 2 µg/mL, blue line), followed by ABflo™ 594-conjugated Goat Anti-Rabbit IgG (H+L) (1:500 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 CHO (Transfection) cells were surface-stained with ABflo® 594 Rabbit IgG isotype control (A23821, 2 µg/mL, left) or CD278 Rabbit mAb (A23995, 2 µg/mL, right).