

ICOS/CD278 Rabbit mAb

Catalog No.: A23995 **Recombinant**

Basic Information

Observed MW

22-35kDa

Calculated MW

22kDa

Category

Primary antibody

Applications

ELISA, WB, IF/ICC, FC

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	1:1000 - 1:5000
IF/ICC	1:50 - 1:200
FC	1:500 - 1:1000

Immunogen Information

Gene ID

54167

Swiss Prot

Q9WVS0

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 21-142 of mouse ICOS/CD278(NP_059508.2).

Synonyms

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

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

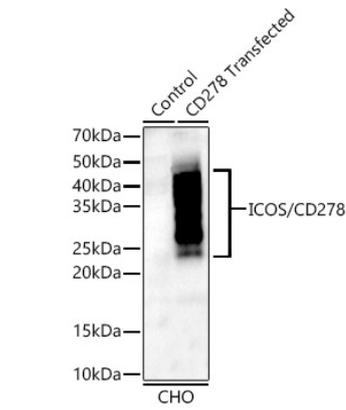
Affinity purification

Storage

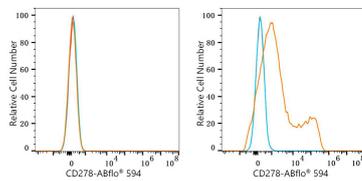
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

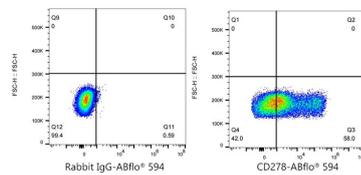
Validation Data



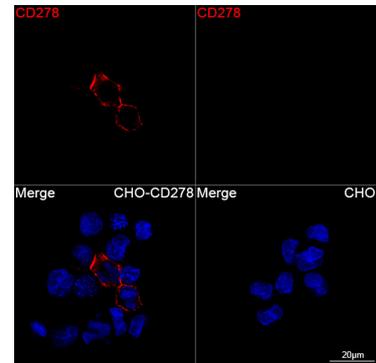
Western blot analysis of lysates from wild type (WT) and CHO cells transfected with CD278 using CD278 Rabbit mAb (A23995) at 1:1000 dilution.
 Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25ug per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Enhanced Kit (RM00021).
 Exposure time: 180s.



Flow cytometry: 1×10^6 CHO cells (negative control, left) and CHO (Transfection, right) were surface-stained with CD278 Rabbit mAb (A23995, 2 $\mu\text{g}/\text{mL}$, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 2 $\mu\text{g}/\text{mL}$, 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 $\mu\text{g}/\text{mL}$, left) or CD278 Rabbit mAb (A23995, 2 $\mu\text{g}/\text{mL}$, right).



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.