

CD24 Rabbit mAb

Catalog No.: A25473 Recombinant

Basic Information

Observed MW

37 kDa/42 kDa

Calculated MW

8 kDa

Category

Primary antibody

Applications

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

Cross-Reactivity

Mouse

CloneNo number

ARC66569

Background

CD24, also known as heat stable antigen HSA, is a P-selectin ligand involved in adhesion. It is a GPI-anchored glycoprotein expressed on many types of cells, including hematopoietic cells, neural cells, and epithelial cells. CD24 is widely used to delineate stages of lymphocyte development. It also binds to Siglec-10 in humans or Siglec-G in mice. CD24 is frequently used as a marker to identify and isolate cancer stem cells in various cancer types.

Recommended Dilutions

WB	1:1000 - 1:4000
IF/ICC	1:200 - 1:2000
IF-P	1:200 - 1:2000
FC	1:500 - 1:1000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Contact

 | 400-999-6126

 | cn.market@abclonal.com.cn
 | www.abclonal.com.cn

Immunogen Information

Gene ID

12484

Swiss Prot

P24807

Immunogen

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

Synonyms

HSA; Cd24; Ly-52; nectadrin

Product Information

Source

Rabbit

Isotype

IgG

Purification

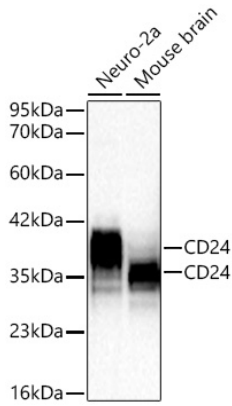
Affinity purification

Storage

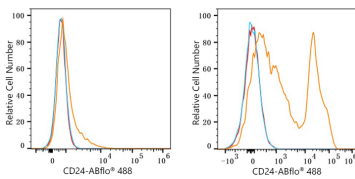
Store at -20°C. Avoid freeze / thaw cycles.

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.

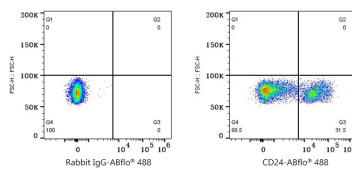
Validation Data



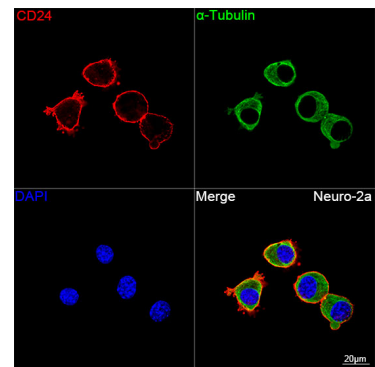
Western blot analysis of various lysates using CD24 Rabbit mAb (A25473) at 1:1000 dilution incubated overnight at 4°C.
 Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
 Lysates/proteins: 25 µg per lane.
 Blocking buffer: 3% nonfat dry milk in TBST.
 Detection: ECL Basic Kit (RM00020).
 Exposure time: 20 s.



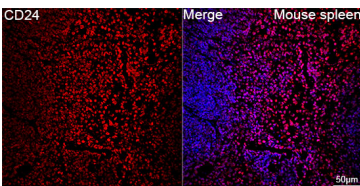
Flow cytometry: 1×10^6 RAW 264.7 cells (Low Expression, left) and C57BL/6 mouse Splenocytes (right) were surface-stained with CD24 Rabbit mAb (A25473, 2 µg/mL, orange line) or ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).



Flow cytometry: 1×10^6 C57BL/6 mouse Splenocytes cells were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 µl/Test, left) or CD24 Rabbit mAb (A25473, 2 µg/mL, right).



Confocal imaging of Neuro-2a cells using CD24 Rabbit mAb (A25473, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Confocal imaging of paraffin-embedded Mouse spleen tissue using CD24 Rabbit mAb (A25473, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x. Perform high pressure antigen retrieval with 0.01 M citrate buffer (pH 6.0) prior to IF staining.