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# CD24 Rabbit mAb

**Catalog No.: A25473** Recombinant

## Basic Information

**Observed MW**
37kDa

**Calculated MW**
8kDa

**Category**
Primary antibody

**Applications**
WB,IF/ICC,FC,ELISA

**Cross-Reactivity**
Mouse

**CloneNo number**
ARC66569

## Background

CD24, also know 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 |
| **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**
12484

**Swiss Prot**
P24807

**Immunogen**
Recombinant fusion protein containing a sequence corresponding to amino acids 27-53 of mouse CD24 (NP_033976.1).

**Synonyms**
HSA; Cd24; Ly-52; nectadrin

## Contact


400-999-6126

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## Product Information

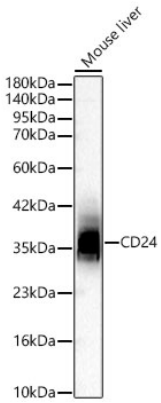
**Source**
Rabbit

**Isotype**
IgG

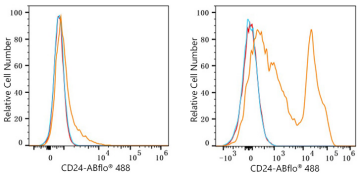
**Purification**
Affinity purification

**Storage**
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.

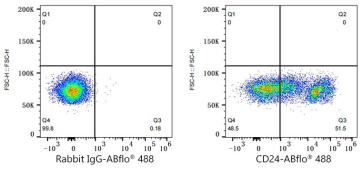
## Validation Data



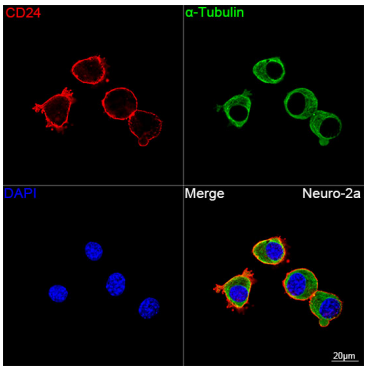

Western blot analysis of lysates from Mouse liver using CD24 Rabbit mAb (A25473) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time:30s.



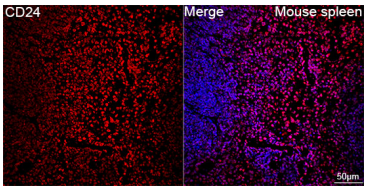

Flow cytometry: 1X10^6 RAW 264.7 cells (Low Expression,left) and C57BL/6 mouse Splenocytes (right) were surface-stained with CD24 Rabbit mAb (A25473,2 µg/mL,orange line) or ABflo® 488 Rabbit IgG isotype control (A22069,5 µl/Test,blue line), followed by FITC conjugated goat anti-Rabbit pAb staining. Non-fluorescently stained cells were used as blank control (red line).




Flow cytometry: 1X10^6 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 speeln 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.