

# CD239/BCAM Rabbit mAb

Catalog No.: A23695 **Recombinant**

## Basic Information

### Observed MW

85kDa/78kDa

### Calculated MW

67kDa

### Category

Primary antibody

### Applications

ELISA, WB, FC

### Cross-Reactivity

Human

### CloneNo number

ARC61168

## Background

This gene encodes Lutheran blood group glycoprotein, a member of the immunoglobulin superfamily and a receptor for the extracellular matrix protein, laminin. The protein contains five extracellular immunoglobulin domains, a single transmembrane domain, and a short C-terminal cytoplasmic tail. This protein may play a role in epithelial cell cancer and in vaso-occlusion of red blood cells in sickle cell disease. Polymorphisms in this gene define some of the antigens in the Lutheran system and also the Auberger system. Inactivating variants of this gene result in the recessive Lutheran null phenotype, Lu(a-b-), of the Lutheran blood group. Two transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:1000
<b>FC</b>	1:100 - 1:500

## Immunogen Information

### Gene ID

4059

### Swiss Prot

P50895

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 32-547 of human CD239/BCAM [NP\_005572.2]

### Synonyms

AU; LU; CD239; MSK19; CD239/BCAM

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

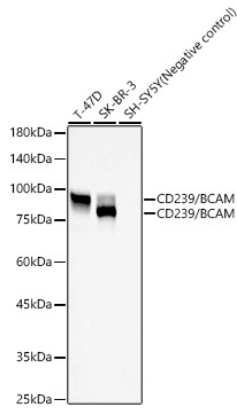
Affinity purification

### Storage

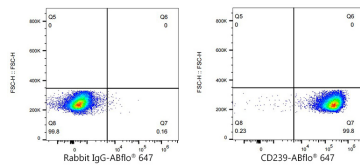
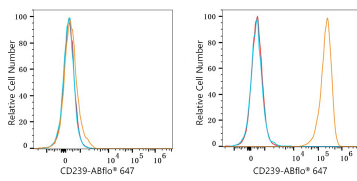
Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data



Western blot analysis of various lysates, using CD239/BCAM Rabbit mAb (A23695) at 1:1000 dilution.  
 Secondary antibody: HRP 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: 20s.



Flow cytometry:  $1 \times 10^6$  SH-SY5Y cells (Low Expression, left) and SK-BR-3 cells (right) were surface-stained with CD239/BCAM Rabbit mAb (A23695, 2µg/mL, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 2µg/mL, blue line), followed by Alexa Fluor® 647 conjugated goat anti-rabbit pAb (1:200 dilution) staining. Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  SK-BR-3 cells were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 2µg/mL, left) or CD239/BCAM Rabbit mAb (A23695, 2µg/mL, right).