

# CD151 Polyclonal antibody

Catalog Number: 10418-1-AP

2 Publications

## Basic Information

**Catalog Number:**

10418-1-AP

**Size:**

450 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG0341

**GenBank Accession Number:**

BC001374

**GeneID (NCBI):**

977

**UNIPROT ID:**

P48509

**Full Name:**

CD151 molecule (Raph blood group)

**Calculated MW:**

28 kDa

**Observed MW:**

38 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:5000

## Applications

**Tested Applications:**

FC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse

**Cited Species:**

rat

**Positive Controls:**

WB : A431 cells, A549 cells, mouse spleen tissue

## Background Information

CD151 (also known as TSPAN24) is a membrane protein of the tetraspanin superfamily, which are characterized by the presence of four conserved transmembrane regions. Many of these members are involved in the regulation of cell development, activation, growth and motility. CD151 is broadly expressed by a variety of cell types. It is involved in cellular processes including cell adhesion and may regulate integrin trafficking and/or function. CD151 enhances cell motility, invasion and metastasis of cancer cells.

## Notable Publications

Author	Pubmed ID	Journal	Application
Deissler Heidrun H	17912457	Int J Mol Med	
Fei Zhuang	32856783	FASEB J	WB

## Storage

**Storage:**

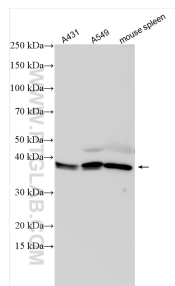
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

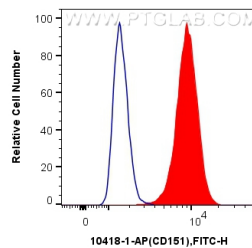
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10418-1-AP (CD151 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  A549 cells were intracellularly stained with 0.4  $\mu$ g Anti-Human CD151 (10418-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4  $\mu$ g Rabbit IgG control Rabbit PolyAb (30000-O-AP, Clone: ) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).