

Datasheet for ABIN5684082  
**anti-ITGA2 antibody (AA 994-1132)**



[Go to Product page](#)

5 Images

## Overview

Quantity:	0.1 mg
Target:	ITGA2
Binding Specificity:	AA 994-1132
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Neutralization (Neut)

## Product Details

Immunogen:	Purified recombinant fragment of human CD49B (AA: extra 994-1132) expressed in E. coli.
Clone:	8A11A2
Isotype:	IgG1
Purification:	purified

## Target Details

Target:	ITGA2
Alternative Name:	CD49B ( <a href="#">ITGA2 Products</a> )
Background:	Description: This gene encodes the alpha subunit of a transmembrane receptor for collagens and related proteins. The encoded protein forms a heterodimer with a beta subunit and mediates the adhesion of platelets and other cell types to the extracellular matrix. Loss of the

## Target Details

encoded protein is associated with bleeding disorder platelet-type 9. Antibodies against this protein are found in several immune disorders, including neonatal alloimmune thrombocytopenia. This gene is located adjacent to a related alpha subunit gene. Alternative splicing results in multiple transcript variants.

Aliases: ITGA2, BR, GPIa, HPA-5, VLA-2, VLAA2

Molecular Weight: 129.3 kDa

Gene ID: 3673

HGNC: 9882

Pathways: [CXCR4-mediated Signaling Events](#), [Smooth Muscle Cell Migration](#), [Integrin Complex](#)

## Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:100 - 1:500, FCM: 1:200 - 1:400, IHC: N/A

Restrictions: For Research Use only

## Handling

Format: Liquid

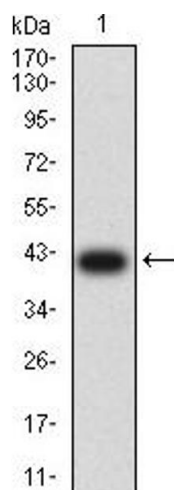
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

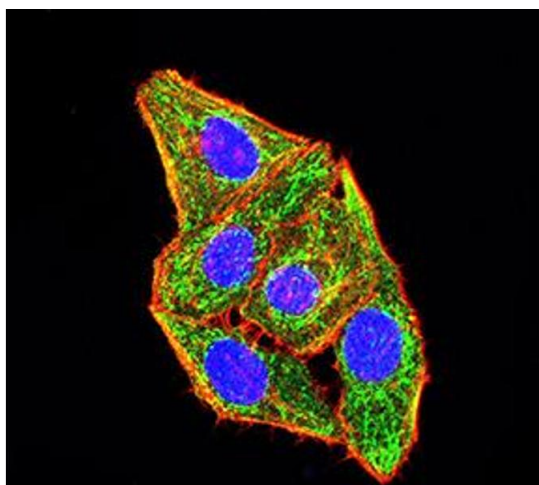
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



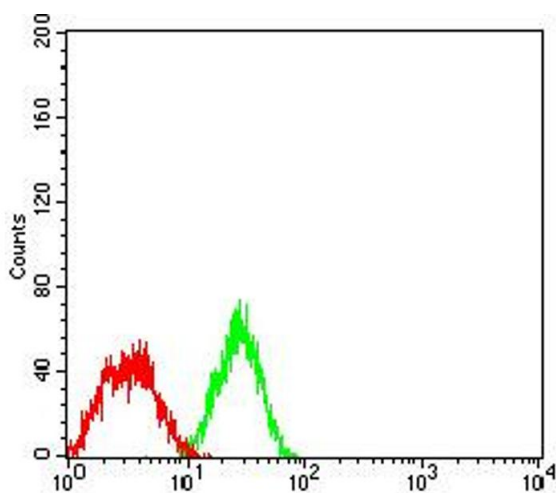
### Western Blotting

**Image 1.** Western blot analysis using CD49B mAb against human CD49B (AA: extra 994-1132) recombinant protein. (Expected MW is 41.5 kDa)



### Immunofluorescence

**Image 2.** Immunofluorescence analysis of HeLa cells using CD49B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



### Flow Cytometry

**Image 3.** Flow cytometric analysis of HT1080 cells using CD49B mouse mAb (green) and negative control (red).

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN5684082.