

## Anti-CD41 Antibody (5N41)

### Product Details

Ig Type: IgG1  
Reactivity: Human  
Molecular Weight: Theoretical: 125 kDa. Actual: 125 kDa.  
Clone: 5N41  
Purification: Protein G purified

### Applications

1. scatter diagram showing peripheral blood lymphocytes stained with TMAB-00366. The cells were incubated with the antibody (TMAB-00366, 1 µg/Test) for 30 min at 22°C. Acquisition of >10,000 events was performed.

2. Sample:

Lane 1: HL60 (Human) Cell Lysate at 30 µg

Lane 2: Raji (Human) Cell Lysate at 30 µg

Verified Activity:

Primary:

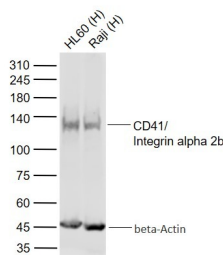
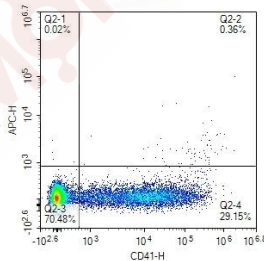
Anti-CD41/Integrin alpha 2b (TMAB-00366) at 1/1000 dilution

Anti-beta-Actin at 1/2000 dilution

Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution

Predicted band size: 125 kDa

Observed band size: 125 kDa



Application: FCM,WB

Recommended WB: 1:500-2000; FCM: 1ug/Test

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human ITGA2B

Antigen Species: Human

Gene ID: 3674

Uniprot ID: P08514

Synonyms: Integrin, alpha 2b(platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41);CD41 antigen; CD41b;Platelet fibrinogen receptor alpha;Integrin alpha 2b;GP2b;GPIIb;HPA3;GPalpha IIb;ITGA 2B;Integrin alpha IIb;Platelet membrane glycoprotein IIb;platelet glycoprotein IIb of IIb/IIIa complex;GTA;Integrin alpha IIb precursor;Platelet fibrinogen receptor alpha subunit;Platelet specific antigen bak;ITA2B;GPalphaIIb;CD41a;CD 41;ITGAB

Biology Area: Integrins,Platelets,Platelets,Alpha,Murine Lineage Negative,Thrombocytic Lineage

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### Research Background

This gene encodes a member of the integrin alpha chain family of proteins. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate through disulfide linkages to form a subunit of the alpha-IIb/beta-3 integrin cell adhesion receptor. This receptor plays a crucial role in the blood coagulation system, by mediating platelet aggregation. Mutations in this gene are associated with platelet-type bleeding disorders, which are characterized by a failure of platelet aggregation, including Glanzmann thrombasthenia. [provided by RefSeq, Jan 2016]

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