abcam

ab288667

Anti-CD42b antibody [AK2]

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.4 Preservative: 0.098% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	Cell preparation containing GP1BA protein. The exact immunogen used to generate this antibody is proprietary information. Database link P07359
Clone number	AK2
Purification technique	Affinity purification Protein A
Specificity	The mouse monoclonal antibody AK2 recognizes an extracellular epitope of CD42b (GPIb alpha), a 135-145 kDa membrane glycoprotein expressed on platelets and megakaryocytes. CD42b and CD42c (GPIb beta) are composed in a disulfide linked heterodimer (CD42b/c; 160 kDa); CD42b/c forms a noncovalent complex with CD42a and CD42d.
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1-4 g/mL

Notes	-

Target data

See full target information GP1BA

Function	GP-Ib, a surface membrane protein of platelets, participates in the formation of platelet plugs by binding to the A1 domain of vWF, which is already bound to the subendothelium.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

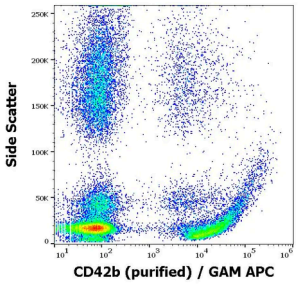
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

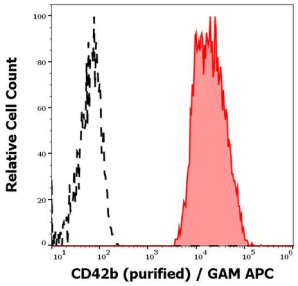
2 product images



Flow Cytometry - Anti-CD42b antibody [AK2] (ab288667)

CD42b Flow Cytometry staining using mouse Anti-CD42b antibody

Flow cytometry surface staining pattern of human peripheral blood stained using ab288667 (concentration in sample 4 µg/ml) GAM APC.



Flow Cytometry - Anti-CD42b antibody [AK2] (ab288667)

CD42b Flow Cytometry staining using mouse Anti-CD42b antibody

Separation of human thrombocytes (red-filled) from CD42b negative lymphocytes (black-dashed) in flow cytometry analysis (surface staining) of human peripheral whole blood stained using ab288667 (concentration in sample 4 µg/ml) GAM APC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.