abcam

ab252264

Anti-CD42b antibody [AK2] - BSA and Azide free

Recombinant

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	AK2
Purification technique	Affinity purification Protein A
Concentration	1.036 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

IP

Not recommended

Species	Mouse, Human
Dilution info	-
Notes	-

Flow Cyt

Tested

Species	Human, Mouse
Dilution info	-
Notes	-

WB

Not recommended

Species	Mouse, Human
Dilution info	-
Notes	-

IHC-P

Not recommended

Species	Mouse, Human
Dilution info	-
Notes	-

IHC-Fr

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse
Dilution info	Use at an assay dependent concentration.
Notes	-

ICC/IF

Tested

Species	Human, Mouse
Dilution info	-
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 conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab252264 is the carrier-free version of ab61402.

Want a custom formulation?
This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact orders@abcam.com

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

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

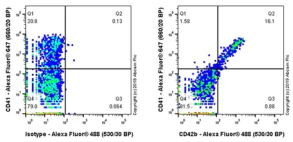
We do not recommend this combination. It is not covered by our product promise.

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.

3 product images

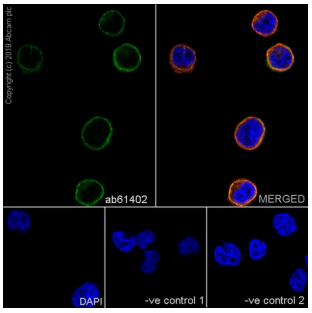


Flow Cytometry - Anti-CD42b antibody [AK2] - BSA and Azide free (ab252264)

CD42b Flow Cytometry staining using mouse Anti-CD42b antibody

Flow cytometric analysis of Human peripheral blood mononuclear cell (PBMC) cells labelling CD42b with ab61402 at 1/490 (Right) compared with a Mouse IgG isotype control (Left). Goat anti mouse IgG (Alexa Fluor® 488, ab150113) at 1/2000 dilution was used as the secondary antibody. Cells were stained with mouse IgG (Left) or ab61402 (Right). Then stained with anti-CD41 conjugated to APC. Gated on viable cells.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab61402).

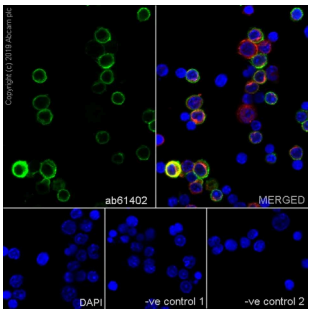


Immunocytochemistry/ Immunofluorescence - Anti-CD42b antibody [AK2] - BSA and Azide free (ab252264)

CD42b Immunocytochemistry/ Immunofluorescence staining using mouse Anti-CD42b antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized HEL (human Erythroleukemia erythroblast) cells labelling CD42b with ab61402 at 1/50 dilution, followed by ab150113 AlexaFluor®488 Goat anti-Mouse secondary antibody at 1/1000 dilution (Green). Confocal image showing membranous staining in HEL cells. ab179504 Anti-beta IV Tubulin antibody - Microtubule Marker was used to counterstain tubulin at 1/1000 dilution, followed by ab150080 AlexaFluor®594 Goat anti-Rabbit secondary at 1/1000 dilution (Red). The Nuclear counterstain was DAPI (Blue).
The negative controls are as follows:
-ve control 1: ab61402 at 1/100 dilution, followed by ab150080 AlexaFluor®594 Goat anti-Rabbit secondary secondary at 1/1000 dilution.
-ve control 2: ab179504 at 1/200 dilution, followed by ab150113 AlexaFluor®488 Goat anti-Mouse secondary at 1/1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab61402).



Immunocytochemistry/ Immunofluorescence - Anti-CD42b antibody [AK2] - BSA and Azide free (ab252264)

CD42b Immunocytochemistry/ Immunofluorescence staining using mouse Anti-CD42b antibody

Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% Triton X-100 permeabilized mouse splenocytes cells labelling CD42b with ab61402 at 1/50 dilution, followed by ab150113 AlexaFluor®488 Goat anti-Mouse secondary antibody at 1/1000 dilution (Green). Confocal image showing membranous staining in mouse splenocytes. ab179504 Anti-beta IV Tubulin antibody - Microtubule Marker was used to counterstain tubulin at 1/1000 dilution, followed by ab150080 AlexaFluor®594 Goat anti-Rabbit secondary at 1/1000 dilution (Red). The Nuclear counterstain was DAPI (Blue).
The negative controls are as follows:
-ve control 1: ab61402 at 1/100 dilution, followed by ab150080 AlexaFluor®594 Goat anti-Rabbit secondary secondary at 1/1000 dilution.
-ve control 2: ab179504 at 1/200 dilution, followed by ab150113 AlexaFluor®488 Goat anti-Mouse secondary at 1/1000 dilution.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is ab150113 AlexaFluor®488 Goat anti-Mouse secondary at 1:1000 dilution.

This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab61402).

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