

Product Datasheet

CD42b/GPIb alpha Antibody (AK2) - BSA Free NB100-63790

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-63790

CD42b/GPIb alpha Antibody (AK2) - BSA Free

Product Information

Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	AK2
Preservative	0.09% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS
Target Molecular Weight	69 kDa

Product Description

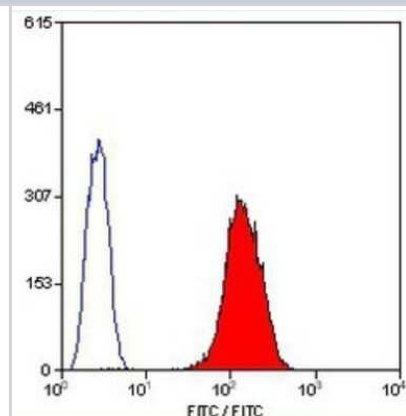
Host	Mouse
Gene ID	2811
Gene Symbol	GP1BA
Species	Human
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:29437579).
Specificity/Sensitivity	Recognises the human CD42b cell surface antigen, also known as platelet glycoprotein GP1B. CD42b is expressed by platelets and megakaryocytes. Clone AK2 has been reported to block the binding of von Willebrand Factor (VWF) to platelets (1).
Immunogen	Made to Human CD42b

Product Application Details

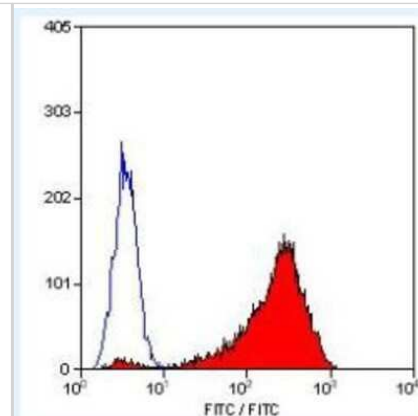
Applications	ELISA, Flow Cytometry, Immunoprecipitation
Recommended Dilutions	Flow Cytometry 1:50-1:100, ELISA 1:100-1:2000, Immunoprecipitation 1:10-1:500

Images

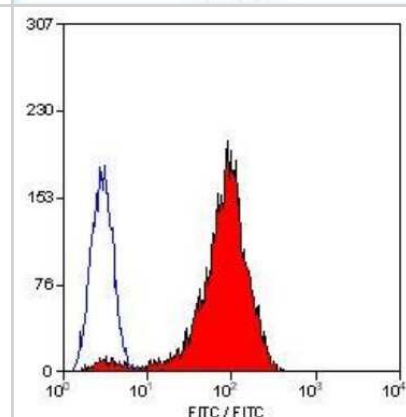
Flow Cytometry: CD42b/GPIb alpha Antibody (AK2) [NB100-63790] - Analysis using the FITC conjugate of NB100-63790. Staining of human peripheral blood platelets with MOUSE ANTI HUMAN CD42b:FITC.



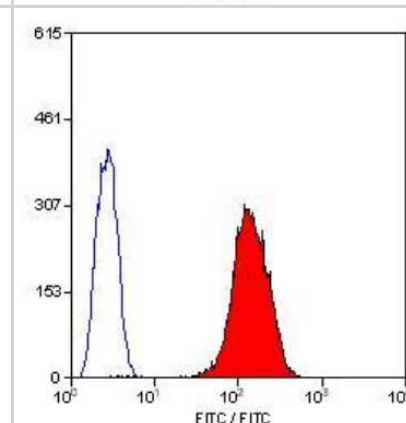
Flow Cytometry: CD42b/GPIb alpha Antibody (AK2) [NB100-63790] - Staining of human peripheral blood platelets with Mouse anti Human CD42b.



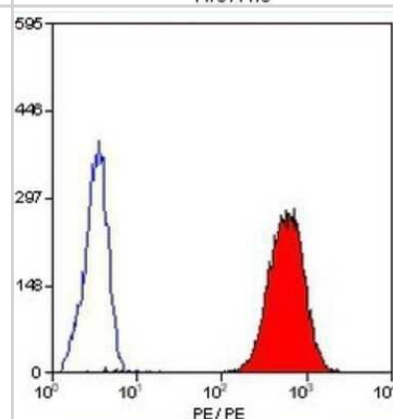
Flow Cytometry: CD42b/GPIb alpha Antibody (AK2) [NB100-63790] - Staining of human peripheral blood platelets.



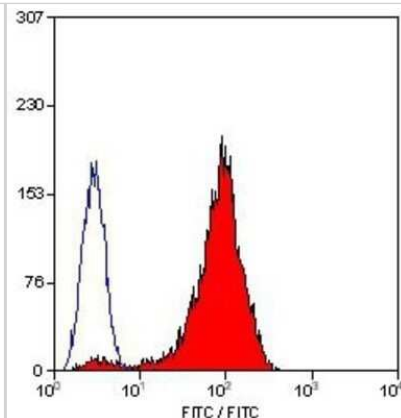
Flow Cytometry: CD42b/GPIb alpha Antibody (AK2) [NB100-63790] - Staining of human peripheral blood platelets.



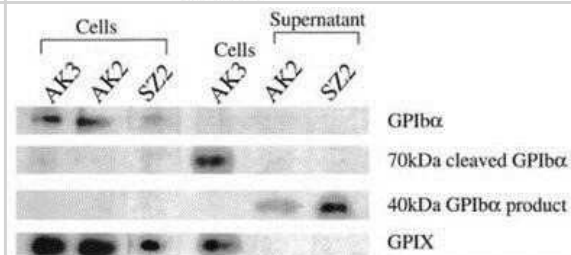
Flow Cytometry: CD42b/GPIb alpha Antibody (AK2) [NB100-63790] - Staining of human peripheral blood platelets with MOUSE ANTI HUMAN CD42b: RPE.



Flow Cytometry: CD42b/GPIb alpha Antibody (AK2) [NB100-63790] - Analysis using the Biotin conjugate of NB100-63790. Staining of human peripheral blood platelets.



Immunoprecipitation: CD42b/GPIb alpha Antibody (AK2) [NB100-63790] - After labeling the surface proteins of the CHO a beta IX cells with biotin, the GPIbIX complex was immunoprecipitated using the MoAb panel. The presence of the GPIba and GPIX native proteins was shown on the surface of the CHO a beta IX cells. Lane 1 shows the components immunoprecipitated using AK3, lane 2 with AK2, and lane 3 with SZ2. After cleavage with mocarhagin, AK3 precipitated a 70-kD GPIba component and the intact GPIX protein from the surface of the cells (lane 4). AK2 (lane 5) and SZ2 (lane 6) were able to precipitate a 40-kD GPIba component from the supernatant collected after the cleavage step.



Publications

Wersall A, Williams C M et al Mouse Platelet Ral GTPases Control P-Selectin Surface Expression, Regulating Platelet-Leukocyte Interaction Arterioscler Thromb Vasc Biol 2018-02-14 [PMID: 29437579] (FLOW, Mouse)

Details:

Citation using the DyLight 488 version of this antibody.

Moroi M, Farndale R, Jung S Activation-induced changes in platelet surface receptor expression and the contribution of the large-platelet subpopulation to activation Res Pract Thromb Haemost 2020-01-27 [PMID: 32110760] (Human)



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Products Related to NB100-63790

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP1-85749PEP	CD42b/GPIb alpha Recombinant Protein Antigen

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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