

Datasheet for ABIN2689254

anti-GP5 antibody

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Overview

Quantity:	0.5 mg
Target:	GP5
Reactivity:	Mouse, Rat
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This GP5 antibody is un-conjugated
Application:	Immunoprecipitation (IP), Flow Cytometry (FACS), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Brand:	BD Pharmingen™
Immunogen:	(C57BL/6 x DBA/2)F1 mouse platelets
Clone:	1C2
Isotype:	IgG3 lambda
Characteristics:	The 1C2 antibody reacts with CD42d (Platelet Glycoprotein V, GPV), a glycoprotein of 74 kDa in the mouse and 88 kDa in the rat. GPV noncovalently associates with GPIb (CD42b and c) and GPIX (CD42a) to form a receptor for von Willebrand factor on megakaryocytes and resting platelets. The binding sites for von Willebrand factor and thrombin have been localized to the GPIb chain (CD42b) of the GPIb-V-IX complex. GPV is cleaved by thrombin to release a 69- kDa soluble fragment, which contains the epitope recognized by mAb 1C2. The 1C2 antibody does not cross-react with human platelets nor with other hematopoietic cells of the mouse and rat.

Product Details

Anti-mouse CD41 mAb MWReg30 (Cat. No. 553848, for the FITC conjugate) may be used with mAb 1C2 to monitor mouse megakaryocyte maturation.

BD Pharmingen™ Purified Hamster Anti-Mouse and Rat CD42d - Purified - Clone 1C2 - Isotype Armenian Hamster IgG3, λ1 - Reactivity Ms, Rat - 0.5 mg

Purification: The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target: GP5

Alternative Name: CD42d ([GP5 Products](#))

Background: Synonyms: Platelet Glycoprotein V

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Aqueous buffered solution containing ≤0.09 % 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

Storage Comment: Store undiluted at 4°C.

Publications

Product cited in: Prussin, Metcalfe: "Detection of intracytoplasmic cytokine using flow cytometry and directly conjugated anti-cytokine antibodies." in: **Journal of immunological methods**, Vol. 188, Issue 1, pp. 117-28, (1996) ([PubMed](#)).

Andersson, Abrams, Björk, Funa, Litton, Agren, Andersson: "Concomitant in vivo production of 19 different cytokines in human tonsils." in: **Immunology**, Vol. 83, Issue 1, pp. 16-24, (1995) ([PubMed](#)).

Fernandez, Andersson, Andersson, Troye-Blomberg: "Cytokine synthesis analyzed at the single-cell level before and after revaccination with tetanus toxoid." in: **European journal of immunology**, Vol. 24, Issue 8, pp. 1808-15, (1994) ([PubMed](#)).