

Anti-GPIIB/IIIA [PDG7] Standard Size Ab01225-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Human Fab format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Rabbit IgG, Lambda

Clone Number: PDG7

Alternative Name(s) of Target: glycoprotein IIb/IIIa; integrin $\alpha\text{IIb}\beta 3$;

UniProt Accession Number of Target Protein:

Published Application(s): dot blot, inhibition assays

Published Species Reactivity: Human

Immunogen: A phagemid library was constructed from the peripheral blood lymphocytes of a donor who was immunised with RhD+ red blood cells, and PDG7 was isolated after five rounds of affinity selection.

Specificity: PDG7 does not bind to antigen denatured by heat or pH, indicating the necessity of intact GPIIb/IIIa.

Application Notes: Dot blots confirmed the specificity of PDG7 for GPIIB/IIIA. Inhibition assays were used to show that platelet-associated autoantibodies from AITP patients binds a closely related epitope to that of the recombinant anti-GPIIb/IIIa phage clones (Escher et al, 1998). Inhibition studies also confirmed that PDG7 inhibited binding of eluted platelet-associated autoantibodies from AITP patients to platelets (Escher et al, 1998).

Antibody First Published in: Escher et al, 1998. Recombinant human natural autoantibodies against GPIIb/IIIa inhibit binding of autoantibodies from patients with AITP Br J Haematol. 1998 Aug;102(3):820-8.

[PMID:9722313](#)

Note on publication: Describes the production of the phage library and the characterisation of PDG7 through dot blots and inhibition assays.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.