



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human CD61 With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03157

Target Species
Human

Isotype
IgG1

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Immunogen: PHA stimulated peripheral blood cells.

Synonyms: GP3A

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the NS1 myeloma cell line.

Formulation

Product Form: Purified IgG - liquid

Product Type: Monoclonal Antibody

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: IgG concentration 1.0mg/ml

Specificity

DS-MB-03157 recognizes CD61, a 105kD glycoprotein, which is also known as integrin beta 3 chain.

This molecule associates with either the alpha IIb integrin (CD41) or the alpha V integrin (CD51) at the cell surface. CD61 is expressed on platelets and megakaryocytes in association with CD41, and on endothelial cells, monocytes, platelets and osteoclasts in association with CD51.

CD61 is a receptor for fibrinogen, fibronectin, vWF, vitronectin and thrombospondin.

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

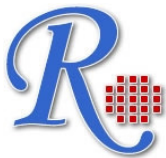
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

References

1. Phillips, D.R. *et al.* (1991) GPIIb-IIIa: the responsive integrin. *Cell* 65: 359-362.
2. Hynes, R.O. (1992) Integrins: versatility, modulation, and signaling in cell adhesion. *Cell* 69: 11-25.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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3. Michelson, A. D. *et al.* (1995) A panel of platelet mAb for the study of haemostasis and thrombosis in baboons. *Leucocyte Typing V*. Oxford University Press p 1230-1231.
4. Gatter, K. *et al.* (1998) The immunohistological detection of platelets, megakaryocytes and thrombi in routinely processed specimens. *Histopathology* 13:257-267.

Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Flow Cytometry (1)	•			1/100 - 1/200
Immunohistology - Frozen	•			
Immunohistology – Paraffin (2)	•			
Immunohistology - Resin			•	
Western Blotting			•	
ELISA			•	

Note: Other applications have not been tested. Optimal dilutions should be determined.

(1) Use 10ul of the suggested working dilution to label 1×10^6 cells in 100ul.

(2) This product requires protein digestion pre-treatment of paraffin sections e.g. trypsin prior to staining.

Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5000-1:10000

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