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Certificate of Analysis and Data Sheet

Mouse Anti Pig CD61:FITC

With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-03507

Target Species
Pig

Isotype
IgG1

Preparation

Immunogen: Porcine peripheral blood mononuclear cells.

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

Fusion Partners: Spleen cells from immunized Balb/c mice were fused with cells of the mouse SP2/0 - Ag14 myeloma cell line.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Buffer Solution: Phosphate buffered saline pH7.4

Preservative & Stabilizers: 0.09% Sodium Azide, 1% Bovine Serum Albumin

Approx. Protein Concentration: IgG concentration 0.1 mg/ml

Specificity

DS-MB-03507 recognizes the porcine CD61 cell surface antigen, also known as platelet glycoprotein IIIa. CD61 is expressed by platelets and megakaryocytes, but not by other hematopoietic cells. The epitope recognized by this antibody is not sensitive to EDTA.

Species Crossreactivity: Reacts with Dog, Human, Bovine and Horse. *Antibody reactivity and working conditions may vary between species.

Storage

Store at +4°C or at -20°C if preferred. This product should be stored undiluted.

Storage in frost-free freezers is not recommended. This product is photosensitive and should be protected from light. 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

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



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Applications

Table Summary of antibody applications and working conditions

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
ELISA			▪	
Western Blot			▪	
Immunohistochemistry			▪	
Flow Cytometry (1)	▪			Neat - 1/10

Note: Other applications are not tested yet. Optimal dilutions should be determined by each laboratory for each application.
(1) Use 10 ul of the suggested working dilution to label 106 cells in 100ul.

Secondary Antibody Applications

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

References

1. Perez de la Lastra, J. M. *et al.* (1997) Characterization of the porcine homologue to human platelet glycoprotein IIb - IIIa (CD41/CD61) by a monoclonal antibody. *Tissue Antigens* 49:588-594.
2. Arce, C *et al.* (2001) Expression of CD61 (beta 3 integrin subunit) on canine cells. *Platelets* 12:69-73.
3. Merono, A. *et al.* (2002) Immunohistochemical analysis of beta3 integrin (CD61): expression in pig tissues and human tumors. *Histol. Histopathol.* 17: 347-352.

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