EXBIO Antibodies

PRODUCT DATA SHEET

11-356-C100

Monoclonal Antibody to CD41/CD61 (bovine) Purified Antibody (0.1 mg)

Clone: IVA30

Isotype: Mouse IgG2

Specificity: The antibody IVA30 reacts with CD41/CD61 complex (bovine), one of the earliest markers of the megakaryocytic lineage. CD41/CD61 complex acts as the receptor for fibrinogen, fibronectin, Von Willebrand factor, vitronectin, thrombin and mediates platelets aggregation. CD41/CD61 is expressed only by platelets and megakaryocytes; the complex may be absent or strongly reduced in Glanzmann's thrombasthenia (GT).

Immunogen: Bovine trombocytes.

Species Reactivity: Bovine

Application: Flow Cytometry
Immunoprecipitation
ELISA

Purity: > 95% (by SDS-PAGE)

Purification: Purified from ascites by protein-A affinity chromatography.

Concentration: 1 mg/ml

Storage Buffer: Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4

Storage / Stability: Store at 2-8°C. Do not use after expiration date stamped on vial label. For long-term storage aliquot and store at -20°C. Avoid freeze/thaw cycles.

Expiration: See vial label

Lot Number: See vial label

Background: CD41 is a transmembrane glycoprotein (integrin family) composed of two chains GPIIb alpha (heavy chain; 120 kDa) and GPIIb beta (light chain; 23 kDa). CD61 non-covalently associates with CD41.

References:

III.Workshop on Ruminant Leukocyte Antigens:
*Naessens J & Hopkins J: Proceedings of the 3rd workshop on ruminant leukocyte antigens. Davis, California, 16 July 1995. Vet Immunol Immunopathol 52:213-468 (1996).
*Mateo A, Perez de la Lastra J, Moreno A, Dusinsky R, Bilka F, Simon M, Horovska L, Llanes D.: Biochemical characterization of antigens detected with anti-platelet monoclonal antibodies. Vet Immunol Immunopathol. 1996 Aug;52(4):363-70.
*Simon M, Dusinsky R, Horovska L, Bilka F, Hluchy S.: Immunohistochemical reactivity of anti-platelet monoclonal antibodies. Vet Immunol Immunopathol. 1996 Aug;52(4):377-82.
*Mateo A, Pintado CO, Perez de la Lastra J, Dusinsky R, Simon M, Naessens J, Llanes D.: Ruminant cluster CD41/CD61. Vet Immunol Immunopathol. 1996 Aug;52(4):251-3.
Other publications:
*Naessens J, Howard CJ, Hopkins J.: Nomenclature and characterization of leukocyte differentiation antigens in ruminants. Immunol Today. 1997 Aug;18(8):365-8.

For laboratory research only, not for drug, diagnostic or other use.

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