

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). This antibody crossreacts with human platelets.
Regulatory Status:	RUO
Immunogen:	Bovine trombocytes.
Species Reactivity:	Human, Bovine
Application:	Flow Cytometry Immunoprecipitation ELISA
Purity:	> 95% (by SDS-PAGE)
Purification:	Purified 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 freeze. Do not use after expiration date stamped on vial label.
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.

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



Antibodies

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.

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