

## Product datasheet for **SM3022P**

### CD41-CD61 Complex Mouse Monoclonal Antibody [Clone ID: IVA30]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	IVA30
Applications:	ELISA, FC, IHC, IP
Recommended Dilution:	Flow Cytometry. Immunoprecipitation. Immunohistochemistry on Frozen Sections. ELISA.
Reactivity:	Bovine
Host:	Mouse
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	Bovine trombocytes
Specificity:	The antibody reacts with CD41/CD61 complex (bovine), one of the earliest markers of the megakaryocytic lineage.
Formulation:	Phosphate buffered saline (PBS) with 15 mM Sodium Azide as preservative, approx. pH 7.4. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A .
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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**Background:**

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

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).

**Synonyms:**

GPIIb-IIIa, ITGA2B, GP2B, ITGAB, Platelet membrane glycoprotein IIb, GPalpha IIb, GPIIb, GP3A, CD41, CD61, Integrin alpha-IIb, Integrin beta-3, ITGB3