

ARG62843 anti-CD41-CD61 Complex antibody [IVA30]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [IVA30] recognizes CD41-CD61 Complex
Tested Reactivity	Bov
Tested Application	ELISA, FACS, ICC/IF, IP
Specificity	The clone 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).
Host	Mouse
Clonality	Monoclonal
Clone	IVA30
Isotype	IgG2
Target Name	CD41-CD61 Complex
Species	Bovine
Immunogen	Bovine trombocytes.
Conjugation	Un-conjugated
Alternate Names	GT; CD antigen CD61; CD61; BDPLT2; GPIIIa; BDPLT16; GP3A; Platelet membrane glycoprotein IIIa; Integrin beta-3

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	FACS	1 - 4 µg/ml
	ICC/IF	Assay-dependent
	IP	Assay-dependent

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

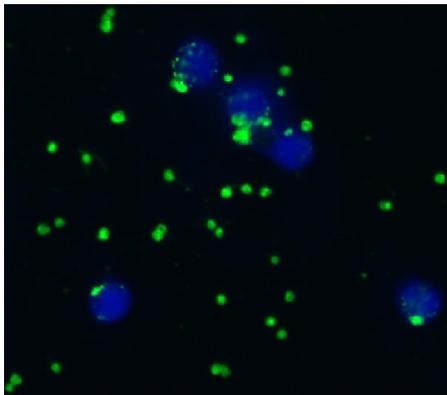
Form	Liquid
Purification	Purified from ascites by protein-A affinity chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 515011 Bovine
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.
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Developmental Biology antibody; Immune System antibody; Signaling Transduction antibody
Calculated Mw	87 kDa
PTM	Phosphorylated on tyrosine residues in response to thrombin-induced platelet aggregation. Probably involved in outside-in signaling. A peptide (AA 740-762) is capable of binding GRB2 only when both Tyr-773 and Tyr-785 are phosphorylated. Phosphorylation of Thr-779 inhibits SHC binding.

Images



ARG62843 anti-CD41-CD61 Complex antibody [IVA30] ICC/IF image

Immunofluorescence: Acetone / methanol-fixed Bovine peripheral blood (thrombocyte-enriched suspension) stained with ARG62843 anti-CD41-CD61 Complex antibody [IVA30] (green signal at thrombocytes), DAPI (blue) for nuclear staining.