

ARG22743 anti-CD41 + CD61 antibody [11C3] (PE)

Package: 50 tests

Store at: -20°C

Summary

| | |
|---------------------|---|
| Product Description | PE-conjugated Mouse Monoclonal antibody [11C3] recognizes CD41 + CD61. This antibody recognizes Chicken integrin CD41/61, also known as GPIIb-IIIa. CD41/61 is a heterodimeric cell surface protein that is expressed on Chicken thrombocytes and cells of the thrombocyte lineage. Avian thrombocytes are nucleated equivalents of mammalian platelets that play a role in coagulation and phagocytosis. Mouse anti Chicken CD41/61 clone 11C3 is reported to induce thrombocyte activation (Lacoste-Eleau et al. 1994). |
| Tested Reactivity | Chk |
| Tested Application | FACS |
| Host | Mouse |
| Clonality | Monoclonal |
| Clone | 11C3 |
| Isotype | IgG1 |
| Target Name | CD41 + CD61 |
| Species | Chicken |
| Immunogen | Peripheral blood leukocytes from white leghorn chicken |
| Conjugation | PE |
| Alternate Names | GTA; GT; GPalpha IIb; PPP1R93; CD41; BDPLT2; BDPLT16; GP2B; Integrin alpha-IIb; GPIIb; Platelet membrane glycoprotein IIb; HPA3; CD antigen CD41; CD41B |

Application Instructions

| Application table | Application | Dilution |
|-------------------|-------------|----------|
| | FACS | Neat |

Application Note FACS: Use 10 µl of the suggested working dilution to label 10⁶ cells in 100 µl.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

| | |
|---------------------|--|
| Form | Liquid |
| Purification | Purification with Protein G. |
| Buffer | PBS, 0.09% Sodium azide, 1% BSA and 5% Sucrose. |
| Preservative | 0.09% Sodium azide |
| Stabilizer | 1% BSA and 5% Sucrose |
| 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.

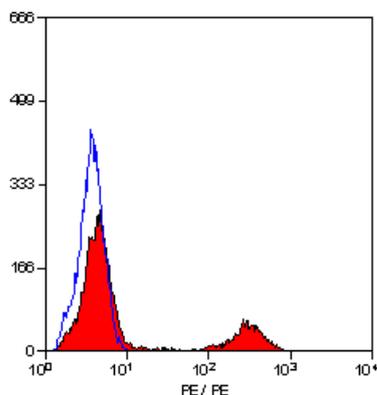
Note

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

Bioinformation

| | |
|----------------|---|
| Gene Symbol | ITGA2B |
| Gene Full Name | integrin, alpha 2b (platelet glycoprotein IIb of IIb/IIIa complex, antigen CD41) |
| Background | ITGA2B encodes integrin alpha chain 2b. Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. Alpha chain 2b undergoes post-translational cleavage to yield disulfide-linked light and heavy chains that join with beta 3 to form a fibronectin receptor expressed in platelets that plays a crucial role in coagulation. Mutations that interfere with this role result in thrombasthenia. In addition to adhesion, integrins are known to participate in cell-surface mediated signalling. [provided by RefSeq, Jul 2008] |
| Function | Integrin alpha-IIb/beta-3 is a receptor for fibronectin, fibrinogen, plasminogen, prothrombin, thrombospondin and vitronectin. It recognizes the sequence R-G-D in a wide array of ligands. It recognizes the sequence H-H-L-G-G-G-A-K-Q-A-G-D-V in fibrinogen gamma chain. Following activation integrin alpha-IIb/beta-3 brings about platelet/platelet interaction through binding of soluble fibrinogen. This step leads to rapid platelet aggregation which physically plugs ruptured endothelial cell surface. [UniProt] |
| Calculated Mw | 113 kDa |

Images



ARG22743 anti-CD41 + CD61 antibody [11C3] (PE) FACS image

Flow Cytometry: Chicken peripheral blood cells stained with ARG22743 anti-CD41 + CD61 antibody [11C3] (PE).