

Product Datasheet

Integrin alpha 2b beta 3 Antibody (10E5) - Chimeric - Azide and BSA Free NBP2-81080-0.2mg

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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NBP2-81080-0.2mg

Integrin alpha 2b beta 3 Antibody (10E5) - Chimeric - Azide and BSA Free

| Product Information | |
|---------------------|--|
| Unit Size | 0.2 mg |
| Concentration | 1 mg/ml |
| Storage | Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C. |
| Clonality | Monoclonal |
| Clone | 10E5 |
| Preservative | 0.02% Proclin 300 |
| Isotype | IgG Kappa |
| Purity | Protein A purified |
| Buffer | PBS |

| Product Description | |
|-------------------------|---|
| Host | Rabbit |
| Gene ID | 3674 |
| Gene Symbol | ITGA2B |
| Species | Human |
| Specificity/Sensitivity | The antibody binds to Integrin alpha 2b beta 3 with an affinity (Kd) of 16.2+-6 nM. The antibody completely inhibits platelet aggregation at 7.8 ug/ml. |
| Immunogen | Human blood platelets. |

| Product Application Details | |
|-----------------------------|---|
| Applications | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence |
| Recommended Dilutions | Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence |
| Application Notes | This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG2a format, for improved compatibility with existing reagents, assays and techniques. The antibody binds specifically to human GPIIb/IIIa, and integrin complex of membrane glycoproteins expressed on the surface of platelets. The GPIIb/IIIa complex acts as a receptor for fibrinogen and Von Willebran factor, hemostatic glycoproteins that mediate platelet aggregation and blood coagulation. The monoclonal antibody 10E5 inhibits the binding of fibrinogen to its platelet receptor, preventing the platelet aggregation, to be used during coronary artery surgeries such as angioplasty. The antibody is also useful in the study of the disease Glanzmann's thrombasthenia, caused by defects in GPIIb/IIIa, and of immune thrombocytopenic purpura, where autoantibodies are produced against GPIIb/IIIa. |



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Products Related to NBP2-81080-0.2mg

| | |
|-------------|---|
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 7148-A2-025 | Integrin alpha 2b beta 3 [Unconjugated] |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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