

Product Datasheet

Integrin alpha 5 beta 1 Antibody (SG/19) [DyLight 650] - Chimeric NBP3-43579C

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP3-43579C

Integrin alpha 5 beta 1 Antibody (SG/19) [DyLight 650] - Chimeric

| Product Information | |
|------------------------------------|---|
| Unit Size | 0.1 ml |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at 4C in the dark. |
| Clonality | Monoclonal |
| Clone | SG/19 |
| Preservative | 0.05% Sodium Azide |
| Isotype | IgG |
| Conjugate | DyLight 650 |
| Purity | Protein A purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| Host | Rabbit |
| Gene ID | 3678 |
| Gene Symbol | ITGA5 |
| Species | Human |
| Specificity/Sensitivity | This antibody binds human integrin alpha 5 beta 1 near the N-terminus. Epitope mapping of SG/19 revealed that Thr82 in the 1 subunit, located at the outer face of the boundary between the I-like and hybrid domains, was the key binding determinant for this antibody. Integrin alpha5 beta 1 is also known as fibronectin receptor and binds matrix macromolecules and proteinases and thereby stimulates angiogenesis. Integrin alpha5beta1, is a member of the integrin family, is a heterodimer composed by two subunits, alpha5 (ITGA5/CD49e) and beta1 (ITGB1/CD29), and both are necessary for complete biological functions. The interaction of VLA-5 with fibronectin plays an important role in regulating inflammatory cytokine production by human articular chondrocytes (From the Cell Migration Gateway ITGA5 ITGB1 |
| Immunogen | The original antibody was generated by immunizing BALB/c mice with Nalm-6 cells. (Uniprot# P05556) |
| Notes | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries. |
| Product Application Details | |
| Applications | Flow Cytometry, Functional, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation |
| Recommended Dilutions | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Functional |
| Application Notes | Optimal dilution of this antibody should be experimentally determined. |





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Products Related to NBP3-43579C

| | |
|-------------|--|
| NBP2-24891C | Rabbit IgG Isotype Control [DyLight 650] |
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 7728-A5-050 | Integrin alpha 5 beta 1 |
| M6000B-1 | IL-6 [HRP] |

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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