

Product Datasheet

Integrin alpha 5 beta 1 Antibody (SG/19) [Alexa Fluor™ Plus 488] NBP3-43578AFP488

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP3-43578AFP488

Integrin alpha 5 beta 1 Antibody (SG/19) [Alexa Fluor™ Plus 488]

| 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 | IgG1 |
| Conjugate | Alexa Fluor Plus 488 |
| Purity | Protein A purified |
| Buffer | 50mM Sodium Borate |
| Product Description | |
| Host | Mouse |
| 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) |
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| 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. |





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-43578AFP488

| | |
|-------------|---------------------------|
| 210-TA-005 | TNF-alpha [Unconjugated] |
| 7728-A5-050 | Integrin alpha 5 beta 1 |
| M6000B-1 | IL-6 [HRP] |
| NB110-89474 | CD11b Antibody - BSA Free |

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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