

# Product Datasheet

## Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (SPM255) [Alexa Fluor® 350] NBP3-11461AF350

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-11461AF350**

Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (SPM255) [Alexa Fluor® 350]

| 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                   | SPM255  |
| Preservative            | 0.05% Sodium Azide  |
| Isotype                 | IgG2a Kappa   |
| Conjugate               | Alexa Fluor 350   |
| Purity                  | Protein A or G purified   |
| Buffer                  | 50mM Sodium Borate  |
| Product Description     |   |
| Host                    | Rat   |
| Gene ID                 | 3339  |
| Gene Symbol             | HSPG2   |
| Species                 | Human, Mouse, Porcine, Bovine, Fish, Monkey   |
| Specificity/Sensitivity | This monoclonal antibody specifically precipitates heterogeneous material of high MW, identified as perlecan, a major heparan-sulfate proteoglycan (HSPG) within all basement membranes and cell surfaces. It does not cross-react with laminin, fibronectin, or dermatan sulfate proteoglycan. Because of perlecan's strategic location and ability to store and protect growth factors, it has been strongly implicated in the control of tumor cell growth and metastatic behavior. Perlecan possesses angiogenic and growth-promoting attributes primarily by acting as a co-receptor for basic fibroblast growth factor (FGF-2). Suppression of perlecan causes substantial inhibition of neoplastic growth and neovascularization. Thus, perlecan is a potent inducer of neoplasm growth and angiogenesis in vivo and therapeutic interventions targeting this key modulator of tumor progression may improve neoplastic treatment. |
| Immunogen               | Murine EHS laminin preparation  |



**Notes**

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**Product Application Details**

|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunofluorescence |
| <b>Recommended Dilutions</b> | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence |
| <b>Application Notes</b>     | Optimal dilution of this antibody should be experimentally determined.  |

**Images**

Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (SPM255) [Alexa Fluor® 350] [NBP3-11461AF350] - Vial of Alexa Fluor 350 conjugated antibody. Alexa Fluor 350 is optimally excited at 346 nm by the UV laser (350 or 355 nm) and has an emission maximum of 442 nm.



**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 NBP3-11461AF350**

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|               |  |
|---------------|--|
| NBP3-17840PEP | Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Recombinant Protein Antigen |
| 210-TA-005    | TNF-alpha [Unconjugated]   |
| 2364-ER-050   | Endorepellin/Perlecan/Heparan Sulfate Proteoglycan [Unconjugated]              |
| 236-EG-200    | EGF [Unconjugated]   |

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**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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