

# Product Datasheet

## Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (A7L6) [FITC] NBP2-47695F

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-47695F**

Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Antibody (A7L6) [FITC]

| 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                       | A7L6  |
| Preservative                | 0.05% Sodium Azide  |
| Isotype                     | IgG2a Kappa   |
| Conjugate                   | FITC  |
| Purity                      | Protein A or G purified   |
| Buffer                      | PBS   |
| Product Description         |   |
| Description                 | This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   |
| Host                        | Rat   |
| Gene ID                     | 3339  |
| Gene Symbol                 | HSPG2   |
| Species                     | Human, Mouse, Porcine, Bovine, Fish, Monkey   |
| Reactivity Notes            | Use in Human reported in scientific literature (PMID:34228647)  |
| 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  |
| Product Application Details |   |
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, CyTOF-ready, Immunofluorescence   |
| Recommended Dilutions       | Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunofluorescence, CyTOF-ready   |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.  |





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### **Products Related to NBP2-47695F**

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|                  |  |
|------------------|--|
| NBP1-43959-0.1mg | Rat IgG2a Kappa Light Chain Isotype Control (R2a) [FITC]                       |
| NBP3-17840PEP    | Endorepellin/Perlecan/Heparan Sulfate Proteoglycan Recombinant Protein Antigen |
| 236-EG-200       | EGF [Unconjugated]   |
| 2364-ER-050      | Endorepellin/Perlecan/Heparan Sulfate Proteoglycan [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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