

# Product Datasheet

## Integrin beta 7 Antibody (FIB27) [DyLight 405] NBP2-81087V

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-81087V**

Integrin beta 7 Antibody (FIB27) [DyLight 405]

| 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                       | FIB27  |
| Preservative                | 0.05% Sodium Azide   |
| Isotype                     | IgG Kappa  |
| Conjugate                   | DyLight 405  |
| Purity                      | Protein A purified   |
| Buffer                      | 50mM Sodium Borate   |
| Product Description         |  |
| Host                        | Rabbit   |
| Gene ID                     | 3695   |
| Gene Symbol                 | ITGB7  |
| Species                     | Human, Mouse   |
| Specificity/Sensitivity     | FIB27 binds specifically to both human and mouse Integrin beta 7 at epitope region DI on which is involved in all $\alpha 4\beta 7$ -mediated adhesion events. Does not compete with DAKT32 for binding. FIB27 blocks LS722-induced TK1 cell aggregation (mAb LS722 is an activating anti- $\alpha 4\beta 7$ antibody and induces aggregation via an $\alpha 4\beta 7$ -dependent pathway). Integrin beta 7 is one subunit is a heterodimer which makes up an integrin molecule. In the mouse beta-7 is selectively found on the majority of mature lymphocytes, whereas a small subpopulation of thymocytes and bone marrow cells express beta-7. Beta-7 is also expressed in variable amounts in CD4 T memory cells. Integrin molecules mediate cell-cell and cell-extracellular matrix adhesion and are involved in lymphocyte homing, leukocyte recruitment to inflammatory sites, myogenesis, hemopoiesis, and melanoma metastasis. |
| Immunogen                   | FIB27 was prepared by immunizing rats with TK1 cells.  |
| Notes                       | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.  |
| Product Application Details |  |
| Applications                | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Block/Neutralize   |
| Recommended Dilutions       | Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Block/Neutralize   |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined.   |





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### **Products Related to NBP2-81087V**

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|                    |  |
|--------------------|--|
| H00003695-P01-10ug | Recombinant Human Integrin beta 7 GST (N-Term) Protein |
| DVE00              | VEGF [HRP]   |
| NBL1-12076         | Integrin beta 7 Overexpression Lysate                  |
| NB100-56566        | TLR4 Antibody (76B357.1) - BSA Free                    |

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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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