

Product Datasheet

Integrin beta 7 Antibody (FIB27) [DyLight 755] NBP2-81087IR

Unit Size: 0.1 ml

Store at 4C in the dark.

www.novusbio.com



technical@novusbio.com

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP2-81087IR

Updated 5/1/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP2-81087IR



NBP2-81087IR

Integrin beta 7 Antibody (FIB27) [DyLight 755]

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 755
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 intergin 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.



**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 NBP2-81087IR

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

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP2-81087IR

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

