

# Product Datasheet

## Integrin beta 7 Antibody (FIB27) [Alexa Fluor™ Plus 647]- Chimeric NBP2-81087AFP647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP2-81087AFP647**

Integrin beta 7 Antibody (FIB27) [Alexa Fluor™ Plus 647]- Chimeric

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	FIB27
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG Kappa
<b>Conjugate</b>	Alexa Fluor Plus 647
<b>Purity</b>	Protein A purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	3695
<b>Gene Symbol</b>	ITGB7
<b>Species</b>	Human, Mouse
<b>Specificity/Sensitivity</b>	FIB27 binds specifically to both human and mouse Integrin beta 7 at epitope region DI on which is involved in all a4b7-mediated adhesion events. Does not compete with DAKT32 for binding. FIB27 blocks LS722-induced TK1 cell aggregation (mAb LS722 is an activating anti-a4B7 antibody and induces aggregation via an a4B7-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.
<b>Immunogen</b>	FIB27 was prepared by immunizing rats with TK1 cells.
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<b>Product Application Details</b>	



<b>Applications</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Block/Neutralize
<b>Recommended Dilutions</b>	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Block/Neutralize
<b>Application Notes</b>	Optimal dilution of this antibody should be experimentally determined.





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### **Products Related to NBP2-81087AFP647**

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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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