

# Product Datasheet

## **desmosome/hemidesmosome Antibody (F12) - Azide and BSA Free NBP2-81279-0.05mg**

Unit Size: 0.05 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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**NBP2-81279-0.05mg**

desmosome/hemidesmosome Antibody (F12) - Azide and BSA Free

Product Information	
Unit Size	0.05 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	F12
Preservative	0.02% Proclin 300
Isotype	IgM Kappa
Purity	Affinity purified
Buffer	PBS
Product Description	
Description	Novus Biologicals Human desmosome/hemidesmosome Antibody (F12) - Azide and BSA Free (NBP2-81279) is a monoclonal antibody validated for use in Flow and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Human
Species	Human
Specificity/Sensitivity	"F12 recognizes an unknown polypeptide of desmosomal and hemidesmosomal plaques with a MW of 185 kDa (determined from immunoblotting using bovine tongue epithelium extract as the substrate), and by IEM (immunoelectron microscopy) it was determined that it is the intracellular part of the desmosome that is bound (Gilbert, 1997). F12 shares some immunochemical properties with autoantibodies present in paraneoplastic pemphigus sera. Pemphigus diseases are those resulting in blistering of the skin due to the production of autoantibodies against keratinocyte surface proteins - autoantibodies of patients with pemphigus vulgaris recognize desmoglein 1 (Dsg1), a major glycoprotein of the desmosome complex."
Immunogen	F12 was established by fusing peripheral blood lymphocytes derived from a human vulgaris patient with a hetermyeloma cell line.
Product Application Details	
Applications	Electron Microscopy, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Electron Microscopy
Application Notes	F12 labels the keratinocyte membrane and the basement membrane zone of rat tongue sections by indirect immunofluorescence (IIF). The antibody also stains both the cell membrane and the basement membrane zone of stratified squamous epithelia, and other epithelial tissues such as urinary bladder, small bowel, thymus, and liver. Non-epithelial tissues, such as myocardium are additionally stained. Sera from patients with pemphigus vulgaris can be incubated with human skin sections to determine their capacity to block the binding of F12 in an IIF blocking assay. IEM (immunoelectron microscopy) can be used to determine the ultralocalization of the antibody.





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### **Products Related to NBP2-81279-0.05mg**

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G-102-C	Goat anti-Human IgG Secondary Antibody [Unconjugated]
NB7446	Goat anti-Human IgG Fc Secondary Antibody

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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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