

# Product Datasheet

## Nidogen-1/Entactin Antibody (ELM1) [Janelia Fluor® 635] NBP3-08237JF635

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-08237JF635**

Nidogen-1/Entactin Antibody (ELM1) [Janelia Fluor® 635]

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	ELM1
Preservative	0.05% Sodium Azide
Isotype	IgG2a Kappa
Conjugate	Janelia Fluor 635
Purity	Protein A or G purified
Buffer	50mM Sodium Borate

Product Description	
Host	Rat
Gene ID	4811
Gene Symbol	NID1
Species	Mouse, Guinea Pig
Reactivity Notes	Does not react with Human.
Specificity/Sensitivity	<p>It reacts with the intact (150kDa) nidogen as well as its proteolytic fragments of 135kDa, 110kDa, 100kDa, and 80kDa. This monoclonal antibody does not cross-react with other basement membrane components or fibronectin.</p> <p>Entactin/Nidogen is a ubiquitous multi-domain basement membrane protein. Basement membranes are the earliest extracellular matrices produced during embryogenesis. They are synthesized and incorporated into the supramolecular architecture of several components, including laminins, Collagen IV, Nidogen and proteoglycans. Nidogen/Entactin, a sulfated glycoprotein, acts as a link between the extracellular matrix molecules Laminin 1 and Collagen Type IV, and thereby participates in the assembly of basement membranes. Nidogen is synthesized and secreted in primary and established mesenchymal peritubular cells and myoepithelial cells, and it affects adhesion of peritubular cells in an autocrine manner. Nidogen is expressed during embryonic and fetal development exclusively in fully developed basement membranes of the ectoderm and is not expressed in the developing endodermal basement membrane or in membranes disrupted during mesoderm formation.</p>
Immunogen	Murine EHS laminin preparation
Notes	Sold under license from the Howard Hughes Medical Institute, Janelia Research Campus.

Product Application Details	
Applications	ELISA
Recommended Dilutions	ELISA
Application Notes	Optimal dilution of this antibody should be experimentally determined.





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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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