

Monoclonal Antibody to Nidogen-1 / Entactin - Purified

Alternate names:	Ent, NID-1, Nid1
Catalog No.:	AM00294PU-N
Quantity:	0.1 mg
Concentration:	0.2 mg/ml
Background:	Entactin/Nidogen is a ubiquitous multidomain basement membrane protein. Hirschsprung's disease (congenital colonic aganglionosis) is associated with abnormalities in the distributions and amounts of basement membrane and other extracellular matrix components in the human gut. Corneas of diabetic patients have abnormal healing and epithelial adhesion, which may be due to alterations of the corneal extracellular matrix and basement membrane. Modified expression, production, and deposition of basement membrane components in high metastatic malignant melanoma cells could be involved in their altered interactions with the extracellular matrix.
Host / Isotype:	Rat / IgG2a
Recommended Isotype Controls:	SM15P, SM15PX
Clone:	ELM1
Immunogen:	Murine EHS laminin preparation. Remarks: Mol. Wt. of Antigen: 150 kDa (intact); 135 kDa, 110 kDa, 100 kDa, and 80 kDa (proteolytic fragments).
Format:	State: Liquid ascites fluid. Purification: Protein G chromatography Buffer System: 10 mM PBS, pH 7.4, with 0.2 % BSA and 0.09 % sodium azide.
Applications:	Immunofluorescence. Immunohistology (Acetone-fixed frozen and Alcohol-fixed, paraffin-embedded) (Use Ab at 2µg/ml for 30 min at RT). Positive Control: Mouse kidney. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects Entactin / Nidogen. It does not cross-react with other basement membrane components or fibronectin. Cellular Localization: Basement membrane. Species: Guinea pig, Mouse. Does not react with Human. Other species not tested.
Storage:	Store the antibody at 2 - 8 °C for one month or in aliquots at -20 °C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

- General Readings:**
1. Horiguchi et. al., Arch Dermatol Res, 1989; 281:427-432.
 2. Ljubimov AV et. al., Exp Cell Res, 1986; 165:530-540.