

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MUCDHL in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 5% cross-reactivity with recombinant human MUCDHL is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MUCDHL Gln29-Ala479 Accession # NP_082345
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

CyTOF-ready	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Flow Cytometry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Mucin and cadherin-like protein (MUCDHL), also known as µ-protocadherin, is a 100 kDa type I transmembrane protein belonging to the protocadherin family of cell adhesion molecules. It is found apically on the brush border of renal proximal tubule epithelial cells. The extracellular domain of mature mouse MUCDHL contains four cadherin domains plus three repeat regions that constitute a mucin stalk (aa 541-614). At least one splice variant exists in mouse that shows a deletion of aa's 459-620. Over aa's 29-479, mouse MUCDHL shares 63% and 79% aa identity with human and rat MUCDHL, respectively.

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