

DESCRIPTION

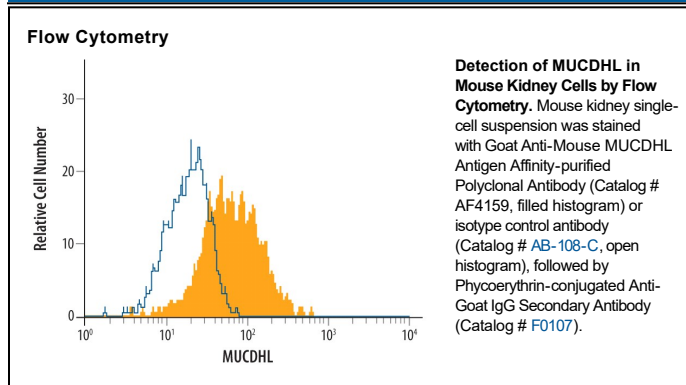
Species Reactivity	Mouse
Specificity	Detects mouse MUCDHL in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 5% cross-reactivity with recombinant human MUCDHL is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MUCDHL Gln29-Ala479 Accession # NP_082345
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Mouse MUCDHL
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.