

## Anti-MUC3/MUC3A/MUC3B Antibody Picoband® Cy3 Conjugated

Catalog Number: PB9955-Cy3

### About MUC3B

MUC3 consists of two genes, MUC3A and MUC3B, each encoding membrane-bound mucins possessing 2 epidermal growth factor-like domains. The MUC3 gene is mapped to chromosome 7. It was shown that synthetic peptide-mediated upregulation of MUC3 dramatically inhibited adherence of enteropathogenic E. coli or enterohemorrhage E. coli serotype O157:H7 to HT-29 human intestinal epithelial cells. Peptide stimulation altered expression of a number of transcription factors, including upregulation of SP1, CREB1, and CDX2. These transcription factors bound to consensus sites in the MUC3 promoter upon peptide stimulation and likely mediated MUC3 upregulation.

### Overview

Product Name	Anti-MUC3/MUC3A/MUC3B Antibody Picoband® Cy3 Conjugated
Reactive Species	Human
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q9H195

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human MUC3.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

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