MUC4 Conjugated Antibody

Catalog No: #C49606

Package Size: #C49606-AF350 100ul #C49606-AF405 100ul #C49606-AF488 100ul #C49606-AF555 100ul #C49606-AF594 100ul #C49606-AF647 100ul #C49606-AF680 100ul #C49606-AF750 100ul #C49606-Biotin 100ul

Orders: order@signalwayantibody.com
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Description

Product Name	MUC4 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Rt
Immunogen Description	Recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Ascites sialoglycoprotein 1 antibody Ascites sialoglycoprotein 2 antibody Ascites sialoglycoprotein antibody ASGP antibody ASGP-1 antibody ASGP-2 antibody HSA276359 antibody MUC 4 antibody MUC-4 antibody Muc4 antibody MUC4_HUMAN antibody Mucin 4 antibody Mucin 4 cell surface associated antibody Mucin 4 tracheobronchial antibody Mucin-4 beta chain antibody Pancreatic adenocarcinoma mucin antibody Testis mucin antibody Tracheobronchial mucin antibody Tracheobronchial mucin Fragment antibody
Accession No.	Swiss-Prot#:Q99102
Uniprot	Q99102
GeneID	4585;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	120 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

Application Details

Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

Background

Mucins are a group of high molecular weight glycoproteins consisting of a mucin core protein and O-linked carbohydrates. Mucin 4, a membrane-bound mucin, is the human homolog of the rat sialomucin complex (SMC). Mucin 4 protein consists of Mucin 4α, a large amino mucin type subunit, and Mucin 4β, a transmembrane subunit containing three EGF-like domains. The Mucin 4 gene is the predominant mucin gene expressed in the normal urothelium and is also expressed in several normal tissues such as trachea, lung and testis. Dysregulation of Mucin 4 results in high levels of expression in pancreatic tumors and tumor cell lines. Induction of Mucin 4 in pancreatic carcinoma by all-trans-retinoic acid is mediated through the retinoic acid receptor-α signaling pathway. TGFβ2 serves as an interim mediator of this regulated expression. Alternative splicing in the 3'-end of the Mucin 4 gene generates at least 12 splice variants, which are characterized as two distinct types, a secreted type and a membrane-associated type. Mucin 4 protein acts as a heterodimeric bifunctional cell-surface glycoprotein and forms thick mucous effusion in the diseased middle ear.

Note: This product is for in vitro research use only