

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MUC-19 in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 876013
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human MUC-19 Lys5606-Gly5767 Accession # Q7Z5P9
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

Immunohistochemistry 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

MUC-19 is a 6,254 amino acid member of the Mucin family of gel-forming glycoproteins. MUC-19 is expressed in corneal epithelial cells in the eye, conjunctival goblet and epithelial cells and lacrimal gland cells as well as by mucous cells of the submandibular gland and submucosal gland of the trachea. MUC-19 expression is reduced in patients with Sjogren syndrome (1,2). In a middle ear model of inflammatory response, MUC-19 is up-regulated in epithelial cells by exposure to cytokines including TNF-alpha, IL-1 beta, IL-5 and IL-8 (3).

PRODUCT SPECIFIC NOTICES

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