

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
Formulation	Supplied as a 0.2 µm filtered solution in PBS. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

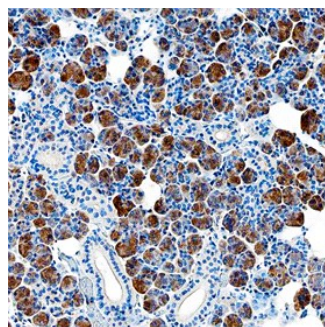
APPLICATIONS

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
Immunohistochemistry	8-25 µg/mL	See Below

DATA

Immunohistochemistry



MUC-19 in Human Salivary Gland. MUC-19 was detected in immersion fixed paraffin-embedded sections of human salivary gland using Mouse Anti-Human MUC-19 Monoclonal Antibody (Catalog # MAB8245) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to mucosal cells. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

PREPARATION AND STORAGE

Shipping	The product is shipped with dry ice or equivalent. 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 opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.

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-α, IL-1 β, IL-5 and IL-8 (3).

References:

1. Yu, D. *et al.* (2008) *Exp Eye Res.* **86** :403.
2. Chen, Y. *et al.* (2004) *Am J Respir Cell Mol Biol* **30**:155.
3. Kerschner, J. *et al.* (2009) *Glycoconj J.* **26**:1275.