
MUC-4 (Clone 8G7) Mouse Monoclonal Antibody

Specificity: Human. Others not known

Immunogen: A synthetic peptide directed against the mucin 4 tandem repeats of human origin

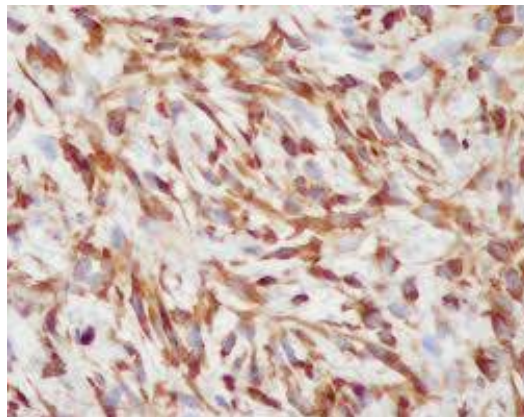
Ig Class: IgG1

Storage: Store vial at 4°C. When stored at 2-8°C, this antibody is stable for 24 months

Staining procedures: Use formalin-fixed and paraffin-embedded sections. *Retrieval conditions:* Pretreatment of deparaffinized tissue with heat-induced epitope retrieval is recommended. *Detection methods:* Polymer anti-mouse/rabbit Ig detection system. *Working dilution:* 1:100; *Positive Control:* Colon. *Cellular Localization:* Cytoplasmic. *Intended Use:* In Vitro Diagnosis (IVD).

Description: Mucin 4, a membrane-bound mucin, is the human homolog of the rat sialomucin complex (SMC). 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. MUC4 is expressed in many human adenocarcinomas. It is specifically expressed in low-grade fibromyxoid sarcoma.

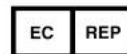
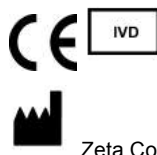
Supplied As: Purified antibody in 0.2% BSA and 15mM sodium azide.



Formalin-fixed, paraffin-embedded human low grade fibromyxoid sarcoma stained with anti-MUC-4 antibody using peroxidase-conjugate and DAB chromogen. Note cytoplasmic staining of tumor cells

Cat. #Z2231 (1.0 ml)

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