

Mouse monoclonal antibody to human Mucin-1 [EMA-39]: IgG

Catalogue No.:	M-1188-100
Description:	THIS PRODUCT HAS BEEN SUPERCEDED. PLEASE REFER TO THE "REPLACED BY" FIELD BELOW TO LOCATE THE CURRENT BIOSENSIS PRODUCT TO MEET YOUR RESEARCH NEEDS. Mucin-1 is a membrane bound, glycosylated mucin phosphoprotein. The Mucin-1 precursor is cleaved into two subunits, alpha and beta. The alpha subunit has cell adhesive properties. The beta subunit is involved in cell signaling. Mucin-1 is expressed on the apical surface of epithelial cells and in activated and unactivated T-cells. Mucin-1 is over expressed in epithelial tumors such as breast or ovarian cancer and also in non-epithelial tumor cells. At least 10 isoforms are produced by alternative splicing.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	Human milk fat globule membranes
Clone:	EMA-39
Other Names:	MUC-1; Polymorphic epithelial mucin; PUM; PEM; PEMT; Episialin; Tumor-associated mucin; Carcinoma-associated mucin; Tumor-associated epithelial membrane antigen; EMA; H23AG; Peanut-reactive urinary mucin; PUM; Breast carcinoma-associated antigen DF3; CD227;
Accession:	P15941 MUC1_HUMAN;
Produced in:	Mouse
Purity:	IgG
Applications:	Immunohistochemistry (IHC). A concentration of 2.0-4.0 ug/mL is recommended for IHC to detect the protein in formalin/acetone fixed tissues as well as formalin/acetone fixed frozen tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by IHC against the antigen.
Cross-reactivity:	Human;
Form:	Lyophilized from 1.2% sodium acetate, 2mg BSA, 0.01mg NaN ₃
Reconstitution:	Reconstitute in 1 mL of PBS (pH 7.4) to achieve an antibody concentration of 100 ug/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY