Human MMP-15/MT2-MMP Antibody

Monoclonal Mouse IgG_1 Clone # 130522

Catalog Number: MAB9161

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MMP-15/MT2-MMP in direct ELISAs and Western blots. Does not detect the catalytic domain of *E. coli*-expressed recombinant human MMP-15 (aa 132-304).
Source	Monoclonal Mouse IgG_1 Clone # 130522
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MMP-15 aa 132-625
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. 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
Western Blot	1 µg/mL	Recombinant Human MMP-15 Catalytic Domain
Immunohistochemistry	8-25 µg/mL	Immersion fixed paraffin-embedded sections of human renal cancer tissue
Intracellular Staining by Flow Cytometry	2.5 µg/10^6 cells	SW480 human colorectal adenocarcinoma cell line fixed with paraformaldehyde and permeabilized with saponin
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. 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.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

MMP-15, also known as membrane-type 2 (MT2) MMP, is a cell surface endopeptidase that plays a role in tumor invasion and metastasis.

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