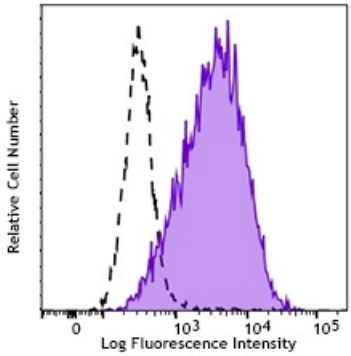
SONY

Product Data Sheet

PE anti-human MUC-17

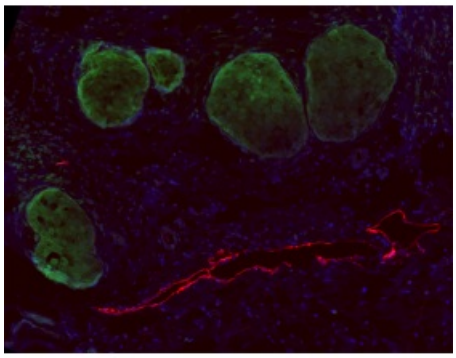
Catalog # / Size:	2576515 / 25 tests 2576520 / 100 tests
Clone:	MQ155
Isotype:	Mouse IgG1, κ
Immunogen:	Purified Recombinant Muc17 protein, Freund's Complete Adjuvant
Reactivity:	Human
Preparation:	The antibody was purified by affinity chromatography and conjugated with PE under optimal conditions.
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).
Workshop Number:	HCDM listed
Concentration:	Lot-specific



Human pancreatic cancer cell line (AsPC-1) stained with PE MUC-17 (Clone MQ155, filled histogram) or PE mouse IgG1, κ isotype control (open histogram).

Applications:

Applications:	Flow Cytometry
Recommended Usage:	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µl per million cells in 100 µl staining volume or 5 µl per 100 µl of whole blood.
Application Notes:	S16013D clone can be used for both surface and intracellular detection of TLR9. Does not work for WB (tested on Daudi cell line).



Human paraffin-embedded breast cancer tissue slices were prepared with a standard protocol of deparaffination and rehydration. Antigen retrieval was done with Citrate-Buffered 1X pH6.0 at 95°C for 40 minutes. Tissue was washed with PBS/ 0.05% Tween20 twice for five minutes and blocked with 5% FBS and 0.2% gelatin for 30 minutes. Then, the tissue was stained with 10 µg/ml of Purified anti-human Podoplanin (Clone LpMab-21) antibody overnight at 4°C. On the next day, tissue was incubated with Alexa Fluor® 647 Goat anti-mouse IgG2a (clone RMG2a-62) antibody (red) and Alexa Fluor® anti-human DCR3 (Clone B08-35) antibody (green). Nuclei were counter-stained with DAPI (blue). The image was

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scanned with a 10X objective and stitched with MetaMorph® software.

Application References:

1. Malmberg EK, *et al*. 2008. *Biochem J*. 410:283.
2. Gum JR Jr, *et al*. 2002. *Biochem Biophys Res Commun*. 291:466.
3. Hirono S, *et al*. 2010. *Cancer Sci*. 101:259.

Description: It is a 451 KD glycocylated member of the mucin family with 2 EGF like domains on the C-terminus and serine/tyrosine phosphorylation sites on the cytoplasmic domain. It is expressed by epithelial cells and plays a role in cytoprotection, signal transduction. Expression of this molecule can also render tumor cells to become less adhesive. It interacts with PKDZ1 and increased expression of this molecule has been reported in colon cancer.

Antigen References:

1. Malmberg EK, *et al*. 2008. *Biochem J*. 410:283.
2. Gum JR Jr, *et al*. 2002. *Biochem Biophys Res Commun*. 291:466.
3. Hirono S, *et al*. 2010. *Cancer Sci*. 101:259.

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