bsm-43121M

- DATASHEET -

[Primary Antibody]

MUC16 Mouse mAb



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Host: Mouse Clonality: Monoclonal GeneID: 94025

Target: MUC16

Isotype: IgG CloneNo.: 5B12 SWISS: Q8WXI7

Immunogen: Recombinant human MUC16 Protein: 12660-12923/14507.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: MUC16 (CA125) is a serum marker that is used routinely in gynecologic practice to monitor patients with ovarian cancer. It is a mullerian duct differentiation antigen that is overexpressed in epithelial ovarian cancer cells and secreted into the blood, although its expression is not entirely confined to ovarian cancer. Most biochemical studies have concluded that MUC16 is a high molecular mass glycoprotein, although estimates of its size range from 200 to 2000 kDa with smaller "subunits" being described by some investigators.

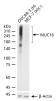
Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Flow-Cyt (1µg/Test) ICC/IF (1:50-200)

Reactivity: Human

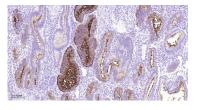
Predicted MW.: 200 kDa

Subcellular Location: Secreted ,Cell membrane

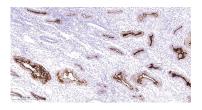
– VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with MUC16 monoclonal antibody, unconjugated (bsm-43121M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

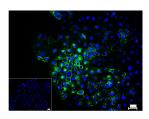


Paraformaldehyde-fixed, paraffin embedded Human Endometrial; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC16 Monoclonal Antibody, Unconjugated(bsm-43121M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.

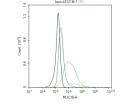


Paraformaldehyde-fixed, paraffin embedded Human Endometrial Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with MUC16 Monoclonal Antibody,

Unconjugated(bsm-43121M) at 1:200 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



4% Paraformaldehyde-fixed OVCAR-3 (H) cell; Triton X-100 at r.t. for 20 min; Antibody incubation with (MUC16) monoclonal Antibody, unconjugated (bsm-43121M) 1:100, 90 min at 37°C; followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-60296G-BF488) at 37°C



The OVCAR-3 (H) cells were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.). Primary Antibody (green): Mouse Anti-MUC16 antibody (bsm-43121M): 1 µg/10^6 cells; Secondary Antibody (white blue): Goat anti-Mouse IgG- for 90 min, DAPI (blue, C02-04002) was used to stain the cell nuclei. PBS instead of the primary antibody was used as the blank control. BF488 (bs-60296G-BF488): 1 μ g/test. Isotype Control (orange): Mouse IgG (bs-0296P). Blank control (black): PBS. Acquisition of 20,000 events was performed.