

GATA-3 (Center) (Breast and Urothelial Marker) Antibody

Mouse Monoclonal Antibody [Clone MSVA-450M]

Catalog No	Format	Size
2625-MSM27-P0	Purified Ab with BSA and Azide	20 ug
2625-MSM27-P1	Purified Ab with BSA and Azide	100 ug

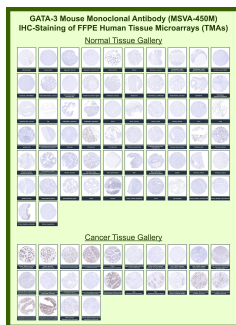
Applications	Tested Dilution	Note
Immunohistochemistry (IHC)	1:50-1:100	Manual Protocol: Freshly cut sections should be used (less than 10 days between cutting and staining). Heat-induced antigen retrieval for 5 minutes in an autoclave at 121°C in pH 7.8 Target Retrieval Solution buffer. Apply the antibody at a dilution of 1:80 at 37°C for 60 minutes. Visualization of bound antibody by the EnVision Kit (Dako, Agilent) according to the manufacturer's directions.

Product Details

Clone	MSVA-450M
Immunogen	Recombinant full-length human GATA-3 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b / Kappa
Mol. Weight of Antigen	~50kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Kidney: A moderate to strong nuclear staining reaction should be seen in a fraction of collecting duct cells and podocytes in glomeruli. ; Tonsil: The vast majority of T helper cells (Th2) in the T-zones should show a weak to moderate nuclear staining.

*Optimal dilution for a specific application should be determined.

Product Images for GATA-3 (Center) (Breast and Urothelial Marker) Antibody



Trans-acting T-cell-specific transcription factor GATA-3 Mouse Monoclonal Antibody (MSVA-450M) tested on many normal and cancer tissues. The immunohistochemistry staining in these tissues aligns with the expression data in Human Protein Atlas.

Specificity & Comments

GATA-3 (GATA binding protein 3) is a member of the GATA family of transcription factors. This 50kDa nuclear protein regulates the development and subsequent maintenance of a variety of human tissues, including hematopoietic cells, skin, kidney, mammary gland, and the central nervous system. Among several other roles, GATA-3 involved in luminal cell differentiation in the mammary gland and appears to control a set of genes involved in the differentiation and proliferation of breast cancer. The expression of GATA-3 is associated with the expression of estrogen receptor-alpha (ER) in breast cancer. GATA-3 has been shown to be a novel marker for bladder cancer. The study demonstrated that GATA-3 stained 67% of urothelial Carcinomas, but none of prostate or renal carcinomas.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

Ab purified from Bioreactor Concentrate by Protein A. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Cytokine Signaling, Immunology, Nuclear Marker, Signal Transduction, Transcription Factors
