GCDFP-15 (Gross Cystic Disease Fluid Protein 15) (Breast Marker) Antibody

Mouse Monoclonal Antibody [Clone PIP/1571]

Catalog No	Format	Size
5304-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5304-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5304-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

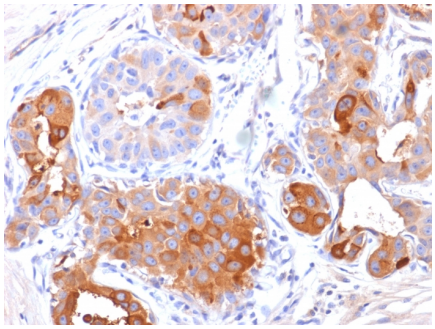
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

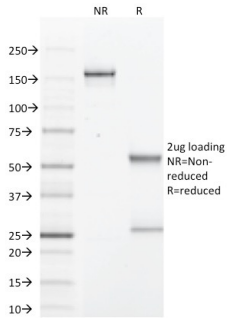
Clone	PIP/1571
Gene Name	PIP
Immunogen	Recombinant human GCDFP-15 protein fragment (around aa 41-146) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	15kDa
Cellular Localization	Secreted
Species Reactivity	Human
Positive Control	HepG2 cells. Breast or Pancreas.

**Optimal dilution for a specific application should be determined.*

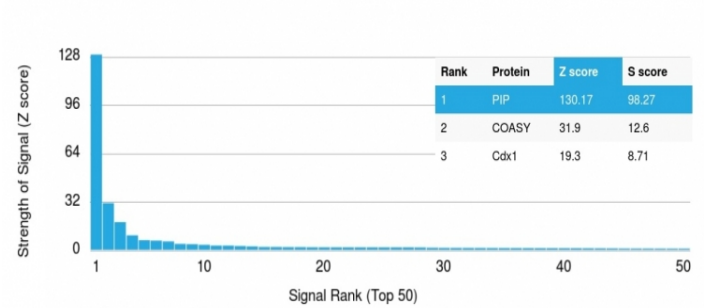
Product Images for GCDFP-15 (Gross Cystic Disease Fluid Protein 15) (Breast Marker) Antibody



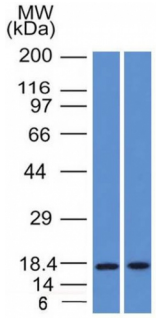
Formalin-fixed, paraffin-embedded human breast carcinoma stained with GCDFP-15 Mouse Monoclonal Antibody (PIP/1571). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis Purified GCDFP-15 Mouse Monoclonal Antibody (PIP/1571). Confirmation of Integrity and Purity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing GCDFP-15 (PIP) Mouse Monoclonal Antibody (PIP/1571) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western Blot Analysis (A) Human Pancreas (B) HepG2 cell lysate using GCDFP-15 Mouse Monoclonal Antibody (PIP/1571).

Specificity & Comments

It recognizes a protein of 15kDa, identified as Gross cystic disease fluid protein 15 (GCDFP-15). It is a major protein component of benign breast gross cysts. It is a known marker of breast cancer, as it is found in approximately 50% of all breast cancer specimens. GCDFP-15, also known as PIP, for prolactin inducible protein, is a prolactin and androgen controlled protein. This antibody is useful in the identification of metastatic breast carcinoma, or fluid analysis.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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

AKT Signaling

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.