

Annexin A1 / (Hairy Cell Leukemia Marker) Antibody

Mouse Monoclonal Antibody [Clone 6E4/3]

Catalog No	Format	Size
301-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
301-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
301-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

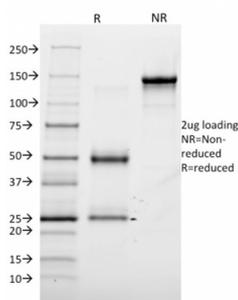
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

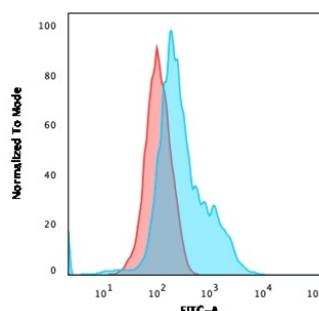
Clone	6E4/3
Gene Name	ANXA1
Immunogen	Mixture of native proteins from human bone tissues
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	35kDa
Cellular Localization	Apical cell membrane, Basolateral cell membrane, Cell membrane, Cell projection, Cilium, Cytoplasm, Cytoplasmic vesicle, Cytoplasmic vesicle membrane, Early endosome, Endosome membrane, Extracellular exosome, Extracellular space, Lateral cell membrane, Membrane, Nucleus, Phagocytic cup, Secreted, Secretory vesicle lumen
Species Reactivity	Human
Positive Control	A431, HeLa, K562 cells; human esophagus, placenta and prostate tissues.

*Optimal dilution for a specific application should be determined.

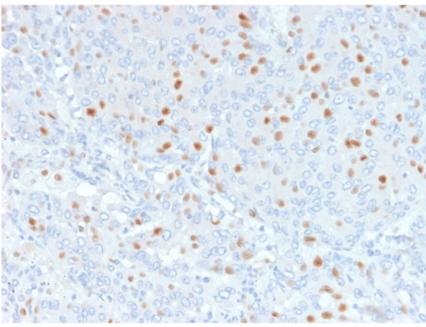
Product Images for Annexin A1 / (Hairy Cell Leukemia Marker) Antibody



SDS-PAGE Analysis of Purified Annexin A1 Mouse Monoclonal Antibody (6E4/3). Confirmation of Integrity and Purity of the Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. Annexin A1 Mouse Monoclonal Antibody (6E4/3) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Formalin-fixed, paraffin-embedded human Bladder Carcinoma stained with AnnexinA1 Mouse Monoclonal Antibody (6E4/3).

Specificity & Comments

The ANXA1 gene belongs to the annexin family, and contains 4 annexin repeats. A pair of annexin repeats may form one binding site for calcium and a phospholipid. ANXA1 promotes membrane fusion and is involved in exocytosis. The gene for ANXA1 is upregulated in hairy cell leukemia (HCL), and its protein expression is specific for HCL. Detection of ANXA1 provides a simple, highly sensitive and specific assay for diagnosing HCL. Annexin A1 has also been found to be protective against DNA damage induced by heat in breast cancer cells, suggesting it is involved in tumor suppressive and protective activities, and also is associated with treatment resistance.

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

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

Cardiovascular, Cytokine Signaling, Dendritic Cell Marker, Immunology, Signal Transduction
