

## Annexin A1 / (Hairy Cell Leukemia Marker) Antibody

Mouse Monoclonal Antibody [Clone 5E4/1]

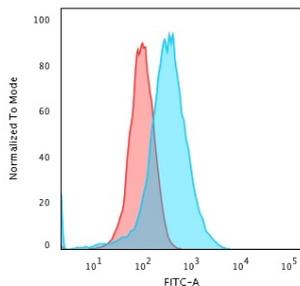
Catalog No	Format	Size
301-MSM5-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
301-MSM5-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
301-MSM5-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

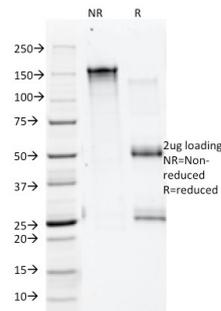
Product Details	
<b>Clone</b>	5E4/1
<b>Gene Name</b>	ANXA1
<b>Immunogen</b>	Mixture of native proteins from human bone tissues
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	35kDa
<b>Cellular Localization</b>	Apical cell membrane, 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
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	A431 and K562 cell lysates. 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



Flow Cytometric Analysis of paraformaldehyde-fixed K562 cells. Annexin A1 Mouse Monoclonal Antibody (ANEX 5E4/1) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red)



SDS-PAGE Analysis of Purified Annexin A1 Mouse Monoclonal Antibody(ANEX 5E4/1). Confirmation of Integrity and Purity of the Antibody.

### 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.

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### 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.

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### 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.

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### 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.

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### Research Areas

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

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