

## Homeobox and Leucine Zipper Encoding / HOMEZ Antibody

Mouse Monoclonal Antibody [Clone PCR-P-HOMEZ-1A5]

Catalog No	Format	Size
57594-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
57594-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
57594-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

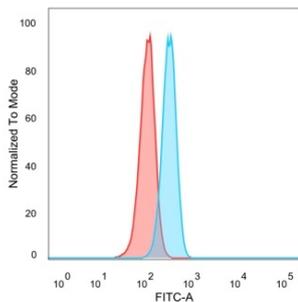
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

### Product Details

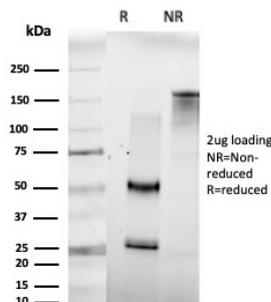
<b>Clone</b>	PCR-P-HOMEZ-1A5
<b>Gene Name</b>	HOMEZ
<b>Immunogen</b>	Recombinant full-length human HOMEZ protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b
<b>Mol. Weight of Antigen</b>	61.24kDa
<b>Cellular Localization</b>	Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Human testis, kidney or fetal lung.

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

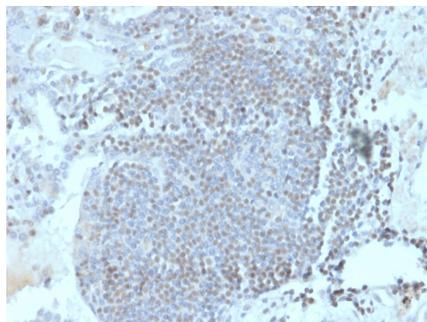
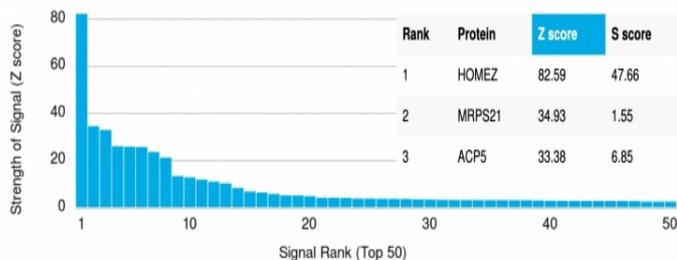
### Product Images for Homeobox and Leucine Zipper Encoding / HOMEZ Antibody



Flow cytometric analysis of PFA-fixed HeLa cells. HOMEZ Mouse Monoclonal Antibody (PCR-P-HOMEZ-1A5) followed by goat anti-mouse IgG-CF488 (blue), isotype control (red).



SDS-PAGE Analysis of Purified HOMEZ Mouse Monoclonal Antibody (PCR-P-HOMEZ-1A5). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human lymph node stained with HOMEZ Mouse Monoclonal Antibody (PCR-P-HOMEZ-1A5).

Analysis of Protein Array containing more than 19,000 full-length human proteins using EIF2S1 Mouse Monoclonal Antibody (PCR-P-HOMEZ-1A5). 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 HuProt™ 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 HuProt™ 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 be 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.

### Specificity & Comments

Homeodomain-containing proteins function as transcription factors that typically switch on cascades of other genes. Usually homeodomain proteins act in the promoter region of their target genes as complexes with other transcription factors, leading to much higher target specificity than a single homeodomain protein. HOMEZ (Homeobox and leucine zipper protein) is a 525 amino acid nuclear protein that contains 3 atypical homeodomains, 2 leucine zipper-like motifs, proline and serine-rich motifs and an acidic domain. Within homeodomain 2, it contains a putative nuclear localization signal. HOMEZ shares significant sequence similarity with mouse ZHX1 and sequences that are homologous to HOMEZ are restricted to vertebrates. Likely functioning as a transcription regulator, HOMEZ is ubiquitously expressed with highest levels found in ovary, testis, kidney, fetal lung and kidney.

### 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.