Anti-CHRAC17 Antibody [PCRP-POLE3-3D3] (A277753)

Specifications:

Name:	Anti-CHRAC17 Antibody [PCRP-POLE3-3D3]
Description:	Mouse monoclonal [PCRP-POLE3-3D3] antibody to CHRAC17.
Specificity:	DNA replication is initiated by the binding of initiation factors to the origin of replication. Nucleosomes inhibit access to the replication machinery at these origin sequences. Nucleosome remodeling factors increase the accessibility of nucleosomal DNA to transcriptional regulators. CHRAC15 and CHRAC17 are subunits of the nucleosomal remodeling factor CHRAC (chromatin accessibility complex), which increases the accessibility of nucleosomal DNA in an ATP-dependent manner. Unlike other known chromatin remodeling factors, CHRAC also functions during chromatin assembly by using ATP to convert irregular chromatin into a regular array of nucleosomes with even spacing. This conversion process occurs when CHRAC organizes randomly deposited histones into a regularly spaced array. In the presence of CHRAC, the nucleosomal ATPase ISWI catalyzes several ATP-dependent transitions of chromatin structure.
Applications:	ELISA, Flow Cytometry, IP, IF
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IP: 1-2µg / 100-500µg proteins, IF: 1-2 µg/ml
Reactivity:	Human
Cross Reactivity:	This antibody is predicted to cross react with Mouse, Rat, and Xenopus.
Immunogen:	Recombinant full-length human CHRAC17 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-POLE3-3D3
Isotype:	IgG2a
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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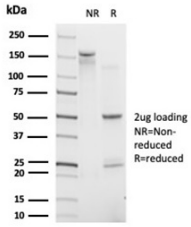
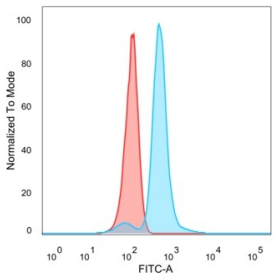
Specifications continued:

General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CHRAC17 Antibody [PCRP-POLE3-3D3] - BSA and Azide free (A278341).
Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

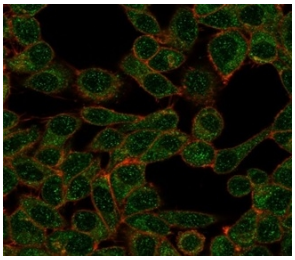
Images:



SDS-PAGE analysis of Anti-CHRAC17 Antibody [PCRP-POLE3-3D3] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



Flow cytometric analysis of PFA-fixed HeLa cells using Anti-CHRAC17 Antibody [PCRP-POLE3-3D3] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Unstained cells (Red).



Immunofluorescent analysis of PFA-fixed HeLa cells stained with Anti-CHRAC17 Antibody [PCRP-POLE3-3D3] followed by Goat Anti-Mouse IgG (CF® 488) (Green). CF® 640R Phalloidin (Red).

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Images continued:

Analysis of protein array containing more than 19,000 full-length human proteins using Anti-CHRAC17 Antibody [PCRP-POLE3-3D3]. Z-Score 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 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.