

## Anti-AGO3 Antibody [PCRP-AGO3-1C5] (A277581)

### Specifications:

Name:	Anti-AGO3 Antibody [PCRP-AGO3-1C5]
Description:	Mouse monoclonal [PCRP-AGO3-1C5] antibody to AGO3.
Specificity:	This antigen is involved in binding and translation repression of short RNAs. This antigen is also known as argonaute RISC catalytic component 3. Required for RNA-mediated gene silencing (RNAi). Binds to short RNAs such as microRNAs (miRNAs) and represses the translation of mRNAs which are complementary to them. Proposed to be involved in stabilization of small RNA derivatives (siRNA) derived from processed RNA polymerase III-transcribed Alu repeats containing a DR2 retinoic acid response element (RARE) in stem cells and in the subsequent siRNA-dependent degradation of a subset of RNA polymerase II-transcribed coding mRNAs by recruiting a mRNA decapping complex involving EDC4. Possesses RNA slicer activity but only on select RNAs bearing 5' and 3'-flanking sequences to the region of guide-target complementarity.
Applications:	ELISA, IP, Flow Cytometry, IF
Recommended Dilutions:	IP: 1-2µg / 100-500µg proteins, Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant full-length human AGO3 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-AGO3-1C5
Isotype:	IgG1
Light Chains:	kappa
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.

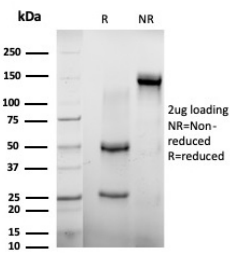
# Anti-AGO3 Antibody [PCRP-AGO3-1C5] (A277581)

## Specifications continued:

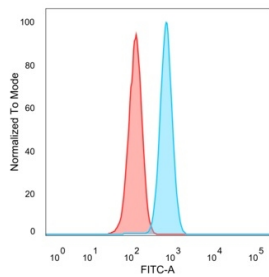
**General Notes:** This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-AGO3 Antibody [PCRP-AGO3-1C5] - BSA and Azide free (A278169).

**Disclaimer:** This product is for research use only. It is not intended for diagnostic or therapeutic use.

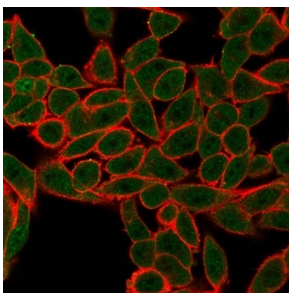
## Images:



SDS-PAGE analysis of Anti-AGO3 Antibody [PCRP-AGO3-1C5] 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.



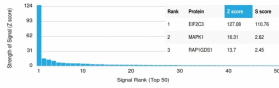
Flow cytometric analysis of PFA-fixed HeLa cells using Anti-AGO3 Antibody [PCRP-AGO3-1C5] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).



Immunofluorescent analysis of PFA-fixed HeLa cells stained with Anti-AGO3 Antibody [PCRP-AGO3-1C5] followed by Goat Anti-Mouse IgG (CF® 488) (Green). CF® 640A Phalloidin (Red).

## Anti-AGO3 Antibody [PCR-AGO3-1C5] (A277581)

Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-AGO3 Antibody [PCR-AGO3-1C5]. 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 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.