

Anti-RXRG Antibody [PCRP-RXRG-5H4] - BSA and Azide free (A278368)

Specifications:

Name:	Anti-RXRG Antibody [PCRP-RXRG-5H4] - BSA and Azide free
Description:	Mouse monoclonal [PCRP-RXRG-5H4] antibody to RXRG.
Specificity:	Two families of retinoid receptors, RARs and RXRs, have been identified. Retinoic acid receptors (RARs) include RAR α , RAR β and RAR γ , each of which have a high affinity for all trans-retinoic acids and belong to the same class of nuclear transcription factors as thyroid hormone receptors, vitamin D3 receptor and ecdysone receptor. The ligand-binding domains of the RARs are highly conserved and RAR isoforms are expressed in distinct patterns throughout development and in the mature organism. Members of the retinoid X receptor (RXR) family, RXR α , RXR β and RXR γ , are activated by 9-cis-RA, a stereo- and photo-isomer of all trans-RA that is expressed in vivo in both liver and kidney and may represent a widely used hormone. As is true for the RAR subfamily, the RXR receptors are closely related to each other both in their DNA-binding and ligand-binding domains and are encoded by separate genes at distinct chromosomal loci.
Applications:	ELISA, IP, Flow Cytometry, IF
Recommended Dilutions:	IP: 1-2 μ g / 100-500 μ g proteins, Flow Cytometry: 1-2 μ g/million cells, IF: 1-2 μ g/ml
Reactivity:	Human
Cross Reactivity:	This antibody is predicted to cross react with Mouse, Rat, and Chicken.
Immunogen:	Recombinant full-length human RXRG protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-RXRG-5H4
Isotype:	IgG1
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	1 mg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline; without Sodium Azide and carrier free.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

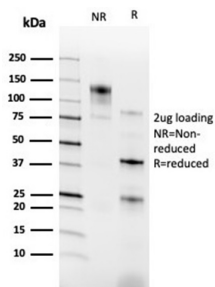
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Specifications continued:

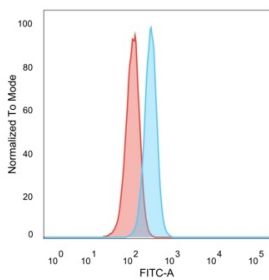
General Notes: This monoclonal antibody is also available in a different formulation with BSA and Sodium Azide - Anti-RXRG Antibody [PCRP-RXRG-5H4] (A277780).

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

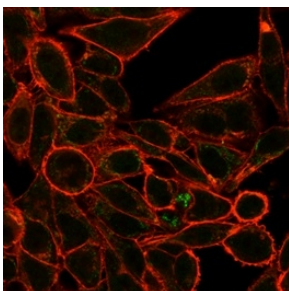
Images:



SDS-PAGE analysis of Anti-RXRG Antibody [PCRP-RXRG-5H4] 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.



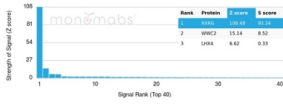
Flow cytometric analysis of PFA-fixed HeLa cells using Anti-RXRG Antibody [PCRP-RXRG-5H4] followed by Goat Anti-Mouse IgG (CF® 488) (Blue). Isotype Control (Red).



Immunofluorescent analysis of PFA-fixed HeLa cells stained with Anti-RXRG Antibody [PCRP-RXRG-5H4] 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-RXRG Antibody [PCRP-RXRG-5H4]. 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.