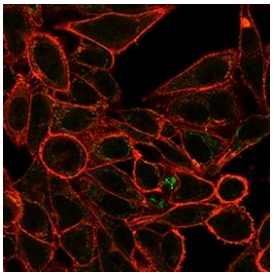
RXR gamma Antibody / RXRG [clone PCRP-RXRG-5H4] (V9730)

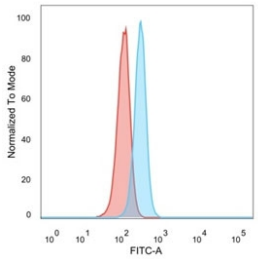
Catalog No.	Formulation	Size
V9730-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9730-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9730SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

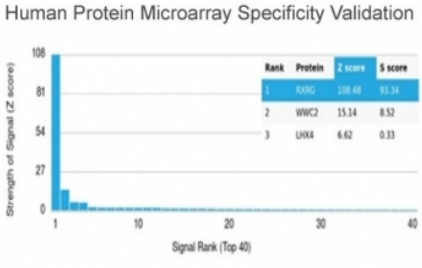
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PCRP-RXRG-5H4
Purity	Protein A/G affinity
UniProt	P48443
Localization	Nucleus
Applications	ELISA (order BSA-free format for coating) Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml
Limitations	This RXR gamma antibody is available for research use only.



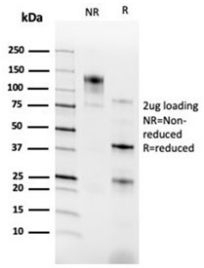
Immunofluorescent staining of PFA-fixed human HeLa cells using RXR gamma antibody (green, clone PCRP-RXRG-5H4) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with RXR gamma antibody (blue, clone PCRP-RXRG-5H4) and isotype control (red).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using RXR gamma antibody (clone PCRP-RXRG-5H4). These results demonstrate the foremost specificity of the PCRP-RXRG-5H4 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free RXR gamma antibody (clone PCRP-RXRG-5H4) as confirmation of integrity and purity.

Description

Two families of retinoid receptors, RARs and RXRs, have been identified. Retinoic acid receptors (RARs) include RARa, RARb and RARg, 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, 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.

Application Notes

Optimal dilution of the RXR gamma antibody should be determined by the researcher.

Immunogen

Recombinant full-length human RXRG protein was used as the immunogen for the RXR gamma antibody.

Storage

Aliquot the RXR gamma antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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