

Mouse anti-Human ROR-gamma/RORC Monoclonal Antibody | anti-RORC antibody

ROR-gamma/RORC (RAR-related Orphan Receptor C)

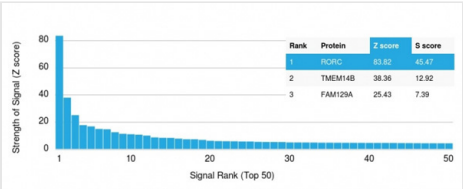
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215186	Mouse	Human	ELISA

PRODUCT SYNONYMS

ROR-gamma/RORC; Monoclonal Antibody; ROR-gamma/RORC (RAR-related Orphan Receptor C); Nuclear receptor ROR-gamma; Nuclear receptor RZR-gamma; Nuclear receptor subfamily 1 group F member 3 (NR1F3); RAR related orphan receptor C; Retinoid-related orphan receptor-gamma (RORG); Rorc; RZR GAMMA; RZRG; TOR; anti-RORC antibody

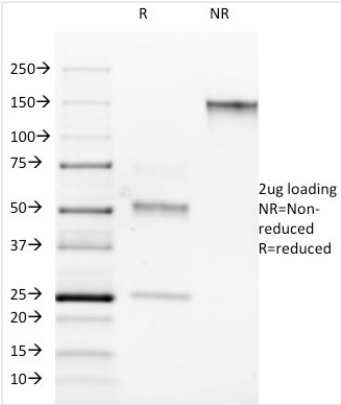
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	RORC/2942
Specificity	This MAb recognizes a protein of 63kDa, identified as ROR-C. Its epitope maps in between aa1-50. The nuclear orphan receptors ROR and ROR are members of the nuclear hormone receptor superfamily. Members of this family act by directly associating with DNA sequences known as hormone response elements (HREs) and typically bind DNA as either homo- or heterodimers. RORalpha and RORgamma are unique in that they bind DNA as monomers. RORalpha has multiple isoforms that share common DNA and putative ligand-binding domains, but differ in their amino terminal domains, which are generated by alternative RNA processing. RORgamma comprises a 560 amino acid protein that shares 50% amino acid identity with RORalpha and is most highly expressed in skeletal muscle. Although these proteins are considered orphan receptors, due to a lack of defined ligands, experimental evidence has shown that melatonin may be the natural ligand for these nuclear receptors.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	497
Applicable Applications for anti-RORC antibody	ELISA
Positive Control	Human Lymphocytes. Liver or skeletal muscle tissue.
Immunogen	Recombinant full-length human RORC protein
Cellular Localization	Nuclear
Hu-chromosome Location	1q21.3
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



Application Data

Analysis of Protein Array containing more than 19,000 full-length human proteins using ROR-gamma/RORC Mouse Monoclonal Antibody (RORC/2942). 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 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.



SDS-PAGE
SDS-PAGE Analysis Purified ROR-gamma/RORC Mouse Monoclonal Antibody (RORC/2942). Confirmation of Purity and Integrity of Antibody.

ADDITIONAL INFORMATION

References	Hirose, T., et al. 1994. Biochem. Biophys. Res. Comm. 205: 1976-1983.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	48255918
NCBI GeneID	6097
NCBI Accession #	NP_001001523.1
NCBI GenBank Nucleotide #	NP_001001523.1
UniProt Accession #	P51449
Molecular Weight	63kDa
NCBI Official Full Name	nuclear receptor ROR-gamma isoform b
NCBI Official Synonym Full Names	RAR related orphan receptor C
NCBI Official Symbol	RORC
NCBI Official Synonym Symbols	TOR; RORG; RZRG; IMD42; NR1F3; RZR-GAMMA
NCBI Protein Information	nuclear receptor ROR-gamma
UniProt Protein Name	Nuclear receptor ROR-gamma
UniProt Gene Name	RORC
UniProt Synonym Gene Names	NR1F3; RORG; RZRG
UniProt Entry Name	RORG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.