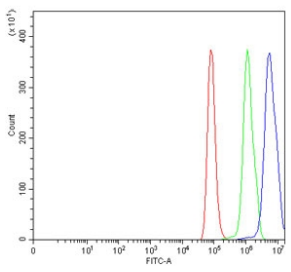
ROR gamma Antibody / RORC (RQ7200)

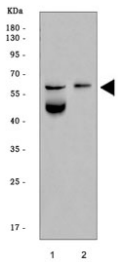
Catalog No.	Formulation	Size
RQ7200	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P51449
Applications	Western blot: 0.5-1ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This ROR gamma antibody is available for research use only.



Flow cytometry testing of human HeLa cells with ROR gamma antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ROR gamma antibody.



Western blot testing of human 1) HCCT and 2) MOLT4 cell lysate with ROR gamma antibody. Predicted molecular weight: ~56 kDa.

Description

RAR-related orphan receptor gamma (RORg) is a protein that in humans is encoded by the RORC (RAR-related orphan receptor C) gene. The protein encoded by this gene is a DNA-binding transcription factor and is a member of the NR1 subfamily of nuclear hormone receptors. The specific functions of this protein are not known; however, studies of a similar gene in mice have shown that this gene may be essential for lymphoid organogenesis and may play an important regulatory role in thymopoiesis. In addition, studies in mice suggest that the protein encoded by this gene may inhibit the expression of Fas ligand and IL2. Two transcript variants encoding different isoforms have been found for this gene.

Application Notes

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

Immunogen

Recombinant human protein (amino acids Q286-E511) was used as the immunogen for the ROR gamma antibody.

Storage

After reconstitution, the ROR gamma antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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