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Anti-Human/Mouse ROR gamma (t) Purified

Catalog Number: 14-6988
Also Known As:RORgamma, RORg, RORg(t), Retinoid-Related Orphan Receptor gamma
RUO: For Research Use Only

Product Information

Contents: Anti-Human/Mouse ROR gamma (t) Purified
REF Catalog Number: 14-6988
Clone: AFKJS-9
Concentration: 0.5 mg/ml
Host/Isotype: Rat IgG2a

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

Description

The AJKJS-9 monoclonal antibody reacts with the mouse RORγ(t) protein. RORγ is a member of the retinoic acid-related orphan receptor (ROR) family, which also includes RORα and RORβ. ROR family proteins are ligand-dependent transcription factors that play roles in multiple physiological processes. RORγ is expressed in several tissues including liver, lung, muscle, heart and kidney. Furthermore, it was discovered that alternative transcription results in the expression of an isoform, RORγt, which is expressed exclusively in cells of the lymphoid compartment, namely CD4+CD8+ “double-positive” thymoctes, Th17 cells of the periphery and lymphoid tissue inducer (Lti) cells of lymphoid organs.

The RORγt isoform differs from RORγ by three unique amino acids at its amino terminus. Therefore, the AFKJS-9 antibody will react with both the RORγ and RORγt isoforms.

Applications Reported

This AFKJS-9 antibody has been reported for use in immunoblotting (WB).

Applications Tested

This AFKJS-9 antibody has been tested by western blot analysis. This can be used at less than or equal to 5 µg/ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.
Use of this purified format is not recommended for intracellular flow cytometric analysis.

References

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He YW, Deftos ML, Ojala EW, Bevan MJ. RORgamma t, a novel isoform of an orphan receptor, negatively regulates Fas ligand expression and IL-2 production in T cells. Immunity. 1998 Dec;9(6):797-806.

Medvedev A, Yan ZH, Hirose T, Giguère V, Jetten AM. Cloning of a cDNA encoding the murine orphan receptor RZR/ROR gamma and characterization of its response element. Gene. 1996 Nov 28; 181(1-2):199-206.

Related Products

14-4321 Rat IgG2a K Isotype Control Purified

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