

Product Data Sheet

Purified anti-ROR γ

Catalog # / Size: 644902 / 100 μ g

Clone: 4F3-3C8-2B7

Isotype: Mouse IgG1

Immunogen: Human ROR γ -GST recombinant protein

Reactivity: Human, Weakly Cross-Reactive with Mouse

Preparation: The antibody was purified by affinity chromatography.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution: 1 to 4 μ g/ml. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Klemann C, *et al.* 2009. *Am J Pathol.* 174:2234. PubMed

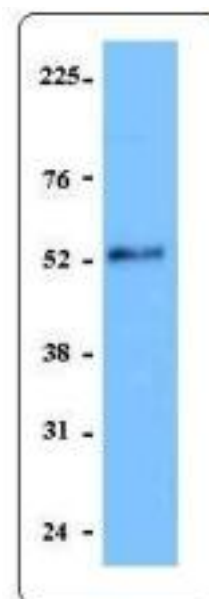
Description: ROR γ (Retinoid-related orphan receptor gamma) belongs to the nuclear hormone receptor family, NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain. ROR γ has two isoforms: γ 1 and γ 2 (also referred to as ROR γ t). The ROR γ t differs from the ROR γ 1 isoform in that it lacks the amino terminus of ROR γ 1. ROR γ 1 contains 516 amino acids and ROR γ t contains 495 amino acids. ROR γ 1 has a molecular weight of approximately 58 kD. ROR γ 1 is highly expressed in thymus, kidney, liver, muscle, and brown fat but not in white fat tissue. ROR γ t is specifically expressed in only two cell populations, DP thymocytes and lymphoid tissue inducers (LTi). ROR γ plays a critical role in control apoptosis during thymopoiesis and T cell homeostasis. ROR γ is to regulate TCR α repertoire by virtue of its positive regulatory role on Bcl-x expression. ROR γ is essential for lymph nodes and Peyer's patches development.

Antigen References: 1. Medvedev A, *et al.* 1997. *Genomics* 46:93.
 2. He YW, *et al.* 1998. *Immunity* 9:797.
 3. Eberl G, *et al.* 2004. *Nat. Immunol.* 5:64.

Related Products: **Product**
 HRP Goat anti-mouse IgG (minimal x-reactivity)

Clone
 Poly4053

Application
 ELISA, IHC, WB



Nuclear extract from mouse thymus was resolved by electrophoresis, transferred to nitrocellulose and probed with purified 4F3-3C8-2B7. Proteins were visualized using goat anti-mouse secondary antibody conjugated to HRP and a chemiluminescent system.



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