

Product datasheet for **TA328098**

Rorc Mouse Monoclonal Antibody [Clone ID: 4F3-3C8-2B7]

Product data:

Product Type:	Primary Antibodies
Clone Name:	4F3-3C8-2B7
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse (weak)
Host:	Mouse
Isotype:	IgG1, kappa
Clonality:	Monoclonal
Immunogen:	Human ROR?-GST recombinant protein
Formulation:	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.
Concentration:	lot specific
Purification:	The antibody was purified by affinity chromatography.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	RAR-related orphan receptor gamma
Database Link:	NP_035411 Entrez Gene 6097 Human Entrez Gene 19885 Mouse P51450



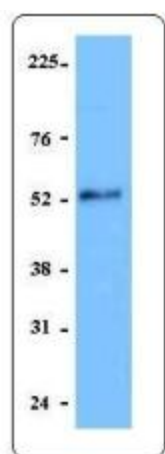
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Background:

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.

Synonyms:

MGC129539; NR1F3; RORG; RZR-GAMMA; RZRG; TOR

Product images:

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.