

DESCRIPTION

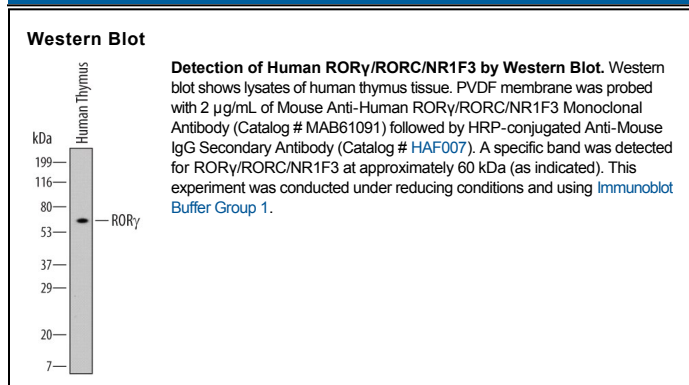
Species Reactivity	Human
Specificity	Detects human ROR γ in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) ROR1, rhROR2, rhROR gamma t, or rhROR alpha is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 695935
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human ROR γ Met1-Gln121 Accession # P51449
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 μ m filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

	Recommended Concentration	Sample
Western Blot	2 μ g/mL	See Below

DATA



PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

ROR γ (Nuclear receptor ROR-gamma), also called RORC and NR1F3, is a member of the NR1 nuclear hormone receptor family. ROR γ is a DNA binding transcription factor. ROR γ is 518 amino acids (aa) in length. Deletion in mice implicates ROR γ as being essential for lymphoid organogenesis and controlling apoptosis during thymopoiesis. Two splice forms differing in the first 24 aa have been found for this gene; isoform 2 deletes aa 1-21 resulting in an alteration of aa 22-24. Over aa 1-100 human RORC shares 96% identity with mouse ROR γ .