

Human/Mouse RORγ/RORC/NR1F3 Antibody

Monoclonal Mouse IgG_{2B} Clone # 600214

Catalog Number: MAB6109

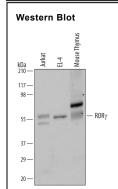
DESCRIPTION			
Species Reactivity	Human/Mouse		
Specificity	Detects human and mouse RORy/RORC/NR1F3 in Western blots.		
Source	Monoclonal Mouse IgG _{2B} Clone # 600214		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	E. coli-derived recombinant human RORγ/RORC/NR1F3 Met1-Gln100 Accession # P51449-2		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm 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	0.5 μg/mL	See Below

DATA



Detection of Human and Mouse RORγ/NR1F3 by Western Blot.

Western blot shows lysates of Jurkat human acute T cell leukemia cell line, EL-4 mouse lymphoblast cell line, and mouse thymus tissue. PVDF Membrane was probed with 0.5 µg/mL of Mouse Anti-Human/Mouse RORy/NR1F3 Monocional Antibody (Catalog # MAB6109) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for RORy/NR1F3 at approximately 60 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS

ShippingThe 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

- 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

RORy (Nuclear receptor ROR-gamma), also called RORC and NR1F3, is a member of the NR1 nuclear hormone receptor family. RORy is a DNA binding transcription factor. RORy is 518 amino acids (aa) in length. Deletion in mice implicates RORy 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 RORy.

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