Human RORγ/RORC/NR1F3 Antibody

Monoclonal Mouse IgG_{2B} Clone # 732111

Catalog Number: MAB61092

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human RORγ/RORC/NR1F3 in direct ELISAs. 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 # 732111
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human RORγ/RORC/NR1F3 Met1-Gln121 Accession # P51449
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 as a 0.2 µm filtered solution in PBS.

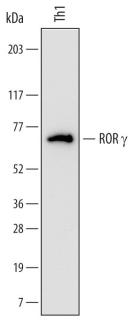
APPLICATIONS

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	0.2 µg/mL	See Below

DATA

Western Blot



Detection of Human RORγ/RORC/NR1F3 by Western Blot. Western blot shows lysates of human Th1 cells. PVDF membrane was probed with 0.2 µg/mL of Mouse Anti-Human RORγ/RORC/NR1F3 Monoclonal Antibody (Catalog # MAB61092) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for RORγ/RORC/NR1F3 at approximately 67 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

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.** ● 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

RORγ (Nuclear receptor ROR-gamma), also called RORC and NR1F3, is a member of the NR1 nuclear hormone receptor family. RORγ is a DNA binding transcription factor. RORγ is 518 amino acids (aa) in length. Deletion in mice implicates RORγ 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 1-121 human RORγ shares 97% identity with mouse RORγ.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956