

Human IFN-α/β R1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 1056928 Catalog Number: MAB2451

DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human IFN-α/β R1 in direct ELISA.
Source	Monoclonal Mouse IgG _{2B} Clone # 1056928
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant human IFN-α/β R1 Lys28-Lys436 Accession # AAA52730
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.			
Western Blot	2 μg/mL	HeLa human cervical epithelial carcinoma cell line.	
Flow Cytometry	25 µa/mL	U937 human histiocytic lymphoma cell line	

DATA Western Blot Flow Cytometry Detection of Human IFN-α/ Detection of IFN-α/β R1 in β R1 by Western Blot. Western U937 human histiocytic lymphoma cell line by Flow blot shows lysates of HeLa human Cytometry. U937 human cervical epithelial carcinoma cell line. PVDF membrane was probed Relative Cell Number histiocytic lymphoma cells were with 2 μg/mL of Mouse Antistained with Mouse Anti-Human Human IFN-α/β R1 Monoclonal IFN-α/β R1 Monoclonal Antibody Antibody (Catalog # MAB2451) (Catalog # MAB2451, filled 75 followed by HRP-conjugated Antihistogram) or isotype control antibody (Catalog # MAB004, Mouse IgG Secondary Antibody (Catalog # HAF018). A specific open histogram), followed by 37 band was detected for IFN-α/β R1 Allophycocyanin-conjugated Antiat approximately 110-120 kDa (as Mouse IgG Secondary Antibody indicated). This experiment was (Catalog # F0101B). View our protocol for Staining Membraneconducted under reducing conditions and using Western Blot IFN alpha beta R1 associated Proteins. Buffer Group 1.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
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

Type I interferons (IFN- α , IFN- β , IFN- ω) bind to the type I IFN receptor, also called the IFN alpha/beta receptor. This receptor is composed of two chains, IFN- α/β R1 and R2.

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