

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IFN- α/β R1 in direct ELISAs and Western blots. In direct ELISAs, less than 5% cross-reactivity with recombinant mouse IFN- α/β R1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human IFN- α/β R1 Lys28-Lys436 Accession # AAA52730
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 either lyophilized or as a 0.2 μ m filtered solution in PBS.

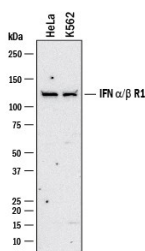
APPLICATIONS

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	0.1-1 μ g/mL	Recombinant Human IFN- α/β R1, HeLa human cervical epithelial carcinoma cell line, K562 human chronic myelogenous leukemia cell line
Flow Cytometry	2.5 μ g/10 ⁶ cells	U937 human histiocytic lymphoma cell line
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Western Blot



Detection of Human IFN- α/β R1 by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line, K562 human chronic myelogenous leukemia cell line. PVDF membrane was probed with 1 μ g/mL of Goat Anti-Human IFN- α/β R1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF245) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for IFN- α/β R1 at approximately 110-120 kDa (as indicated). This experiment was conducted under reducing conditions and using Western Blot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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. <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

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.

PRODUCT SPECIFIC NOTICES

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