

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human IFN- α/β R1 in direct ELISAs and Western blots. In direct ELISAs, does not cross-react with recombinant human (rh) IFN- γ R1, rhIFN- γ R2, recombinant mouse IFN- α/β R2, rhIL-10 R β , rhIL-10 R α , or rhIL-20 R β .
Source	Monoclonal Mouse IgG ₁ Clone # 85228
Purification	Protein A or G purified from hybridoma culture supernatant
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	1 μ g/mL	Recombinant Human IFN- α/β R1
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.	

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. <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.