



# PBL InterferonSource

## MOUSE MONOCLONAL ANTIBODY AGAINST HUMAN INTERFERON ALPHA/BETA RECEPTOR 1 (MMHB-1)

Product Number: 21375-1

Lot Number:

Size: 500 µg

**Description:** Mouse Anti-Human Interferon Alpha/Beta R1

**Clone:** MMHB-1

**Contents:** 500 µg/vial

**Concentration:** 0.5 mg/ml; after reconstitution with 1ml sterile PBS

**Form:** Lyophilized from a 0.2µm filtered solution in phosphate-buffered saline (PBS) containing 5% trehalose

**Antigen:** Sf 21-derived Hu-IFN-α/β R1 extracellular domain

**Isotype:** Mouse IgG<sub>1</sub>

**Purification Method:** Protein G affinity chromatography

**Specificity:** Detects human interferon alpha/beta R1; in direct ELISAs, this antibody shows no cross reactivity with Hu-IFN-γ R1, Hu-IFN-γ R2, Mu-IFN-α/β R2, Hu-IL-10 Rβ, Hu-IL-10 Rα or Hu-IL-20 Rβ.

**Tested Applications:** *Optimal dilutions should be determined by each laboratory for each application*

Western Blot: 1 - 2 µg/ml with the appropriate secondary reagents to detect human IFN-α/β R1.

Flow Cytometry: Dilute antibody to 25 µg/ml and add 10µl of this solution to 1 – 2.5 x 10<sup>5</sup> cells in a total reaction volume not exceeding 200µl. The binding of the unlabeled antibody may be visualized by adding 10µl of a 25 µg/ml stock solution of a secondary developing reagent such as goat anti-mouse IgG conjugated to fluorochrome.

Direct ELISA: 0.5 - 1.0 µg/ml with the appropriate secondary reagents to detect human IFN-α/β R1.

**Shipping Conditions:** Wet ice

**Physical State of Product During Shipping:** Lyophilized

**Special Conditions/Comments:** After receipt, this product should be kept at -20 °C for retention of full activity. Upon reconstitution with sterile PBS, the antibody can be stored at 2-8 °C for 1 month without detectable loss of activity. Reconstituted antibody can also be aliquoted and frozen at -20 ° to -70 °C in a manual defrost freezer for 6 months without detectable loss of activity. Avoid repeated freeze-thaw cycles.

For further product information visit [www.interferonsource.com](http://www.interferonsource.com)

### Authorization

Released by: \_\_\_\_\_

Date:

**This Product is for RESEARCH USE ONLY and is not for sale or use in any commercial kit.  
NOT FOR DIAGNOSTIC OR THERAPEUTIC USE, OR USE IN HUMANS.**

v.1.0

your total interferon source

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