pbl assay science
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Certificate of Analysis

Mouse Monoclonal Antibody against Human Interferon Alpha/Beta Receptor 1, Clone MMHAR-3 (MAb)

Catalog No: 21370-1
Lot No:
Size: 50 µg/vial

Description: Mouse Anti-Human Interferon Alpha/Beta R1 (IFNAR1), non-neutralizing
Clone: MMHAR-3
Concentration: 0.5 mg/ml
Buffer: Phosphate-buffered saline (PBS)
Endotoxin: < 1 EU/µg
Antigen: U266 Myeloma Cells
Isotype: Mouse IgG_1 kappa
Purity: > 95%
Purification Method: Protein G affinity chromatography
Specificity: Detects human interferon alpha/beta R1

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

Direct Binding ELISA

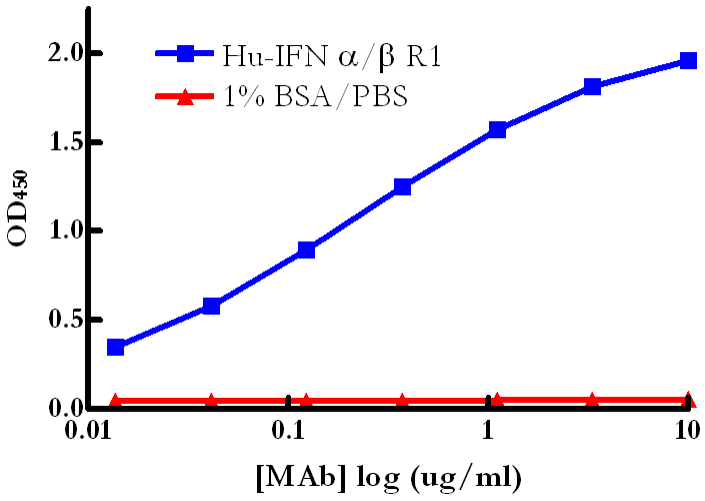

Figure 1. Representative binding curve of antibody to mammalian expressed human interferon alpha/beta R1 protein and to 1% BSA/PBS in a Direct Binding ELISA. High-binding polystyrene plates were coated with either 1 εg/ml of human interferon alpha/beta R1 protein or 1% BSA/PBS. Thereafter, titrations of the product were added to the wells. Goat anti-mouse IgG conjugated to HRP was used as the detection antibody. Colorimetric detection was performed using 3,3ô5,5ôTetramethyl-benzidine (TMB) substrate. The HRP-TMB reaction was stopped using a diluted H_2SO_4/HCL solution.

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Flow Cytometry

1 εg/ml of antibody is sufficient for binding 1x10^6 cells in 100 µl total volume. The binding of the unlabeled antibody may be visualized by adding 10 εl of a 0.5 εg/ml stock solution of a secondary developing reagent such as goat anti-mouse IgG conjugated to fluorochrome.

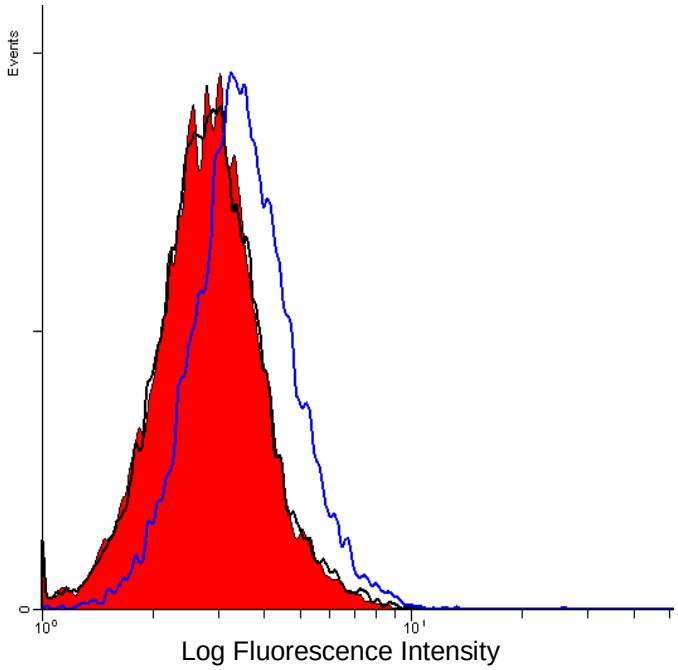

Figure 2. Flow analysis on U937 (human lung lymphoblast) cells: Negative control (closed histogram; no primary or secondary antibodies), Isotype Control (black open histogram; Mouse IgG1 Kappa primary with FITC-conjugated secondary) and Anti-Human IFN-Ũ/ƀ R1 (blue open histogram; #21370-1 primary with FITC-conjugated secondary)

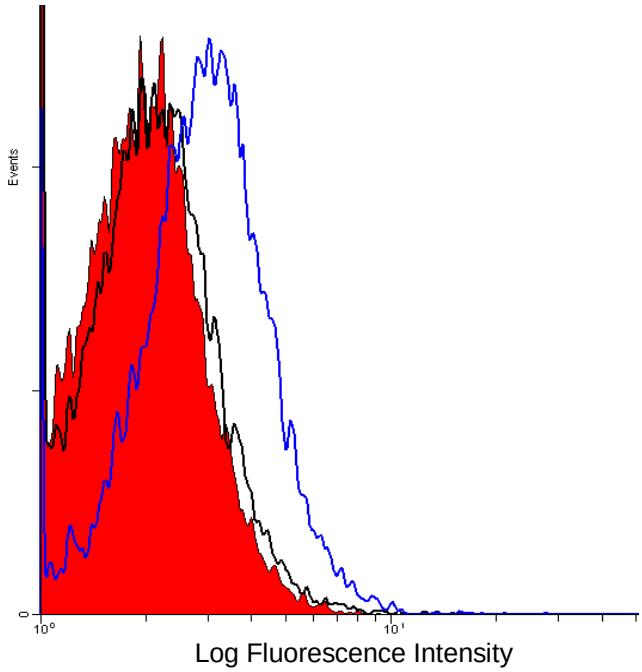

Figure 3. Flow analysis on Daudi (human blood lymphoblast) cells: Negative control (closed histogram; no primary or secondary antibodies), Isotype Control (black open histogram; Mouse IgG1 Kappa primary with FITC-conjugated secondary) and Anti-Human IFN-Ũ/ƀ R1 (blue open histogram; #21370-1 primary with FITC-conjugated secondary)

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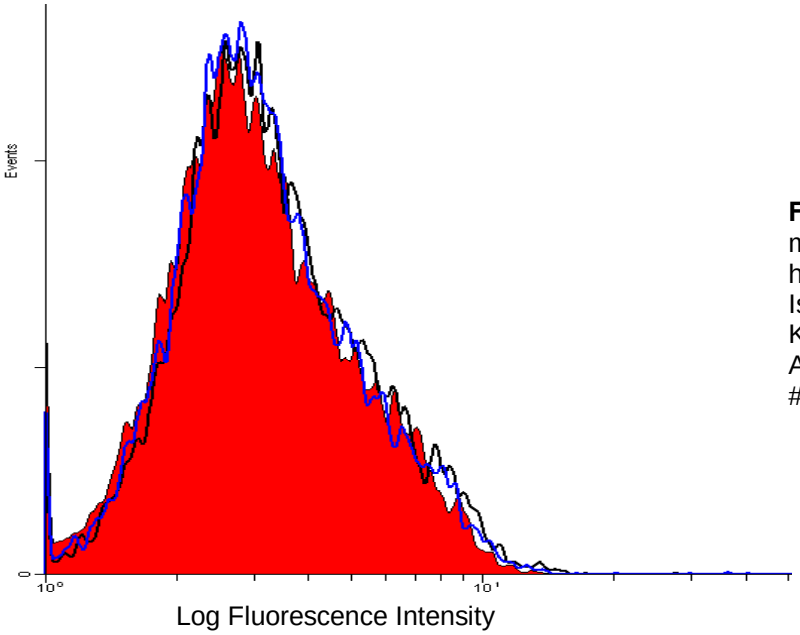

Figure 4. Flow analysis on RAW (mouse macrophage) cells: Negative control (closed histogram; no primary or secondary antibodies), Isotype Control (black open histogram; Mouse IgG1 Kappa primary with FITC-conjugated secondary) and Anti-Human IFN-Ǔ/ƀ R1 (blue open histogram; #21370-1 primary with FITC-conjugated secondary)

Shipping Conditions: Dry Ice

Physical State of Product During Shipping: Frozen

Storage Conditions/Comments: After receipt, this product may be stored at -20°C for short-term use (Ò6 months). For long-term storage, we recommend storing the product at -70°C or below for retention of full activity. When thawing, the contents of the tube should be apportioned in separate tubes so that freezing and thawing is kept to a minimum. Re-freezing should be done on dry ice or in a dry ice/alcohol bath. Further dilution of the product should be in buffers containing protein such as 0.1% bovine serum albumin (BSA). For more information on protein handling, visit our Resource Library at www.pblassaysci.com.

Authorization

Released by: _____ Date: