

# IL-28A Monoclonal Matched Antibody Pair, PBS Only

Catalog Number: MP50008-1

## Capture Antibody Information

<b>Catalog Number:</b> 60270-1-PBS	<b>Clone ID:</b> 3B4A1	<b>Conjugate:</b> Unconjugated
<b>Host:</b> Mouse	<b>Reactivity:</b> human	<b>Full name:</b> interleukin 28A (interferon, lambda 2)
<b>Isotype:</b> IgG1	<b>GenBank:</b> BC113583	<b>Gene ID:</b> 282616
<b>Purification Method:</b> Protein G purification	<b>Immunogen Catalog Number:</b> Ag18525	<b>Affinity:</b> $K_D = 1.77 \times 10^9$ $K_{Off} = 4.10 \times 10^{-5}$ $K_{On} = 2.31 \times 10^4$

## Detection Antibody Information

<b>Catalog Number:</b> 68669-1-PBS	<b>Clone ID:</b> 1A5C4	<b>Conjugate:</b> Unconjugated
<b>Host:</b> Mouse	<b>Reactivity:</b> human	<b>Full name:</b> interleukin 28A (interferon, lambda 2)
<b>Isotype:</b> IgG1	<b>GenBank:</b> HZ-1235	<b>Gene ID:</b> 282616
<b>Purification Method:</b> Protein G purification	<b>Immunogen Catalog Number:</b> HZ-1235	<b>Affinity:</b> $K_D = 5.94 \times 10^{-9}$ $K_{Off} = 3.48 \times 10^{-4}$ $K_{On} = 5.86 \times 10^4$

## Applications

<b>Tested Applications:</b> Sandwich ELISA	<b>Range:</b> 15.6-1000 pg/mL (Sandwich ELISA)	<b>Recommended Dilutions:</b> It is recommended that this reagent should be titrated in each testing system to obtain optimal results.
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## Product Information

MP50008-1 targets IL-28A in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: IL-28A Monoclonal antibody, PBS Only (Capture) 60270-1-PBS (3B4A1). 100 µg. Concentration 1 mg/mL.

Detection antibody: IL-28A Monoclonal antibody, PBS Only (Detector) 68669-1-PBS (1A5C4). 100 µg. Concentration 1 mg/mL.

Unconjugated mouse monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

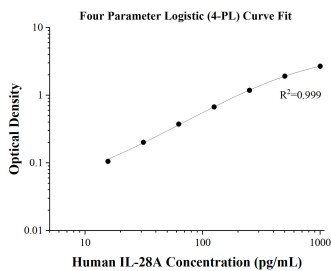
Antibody use should be optimized for each application and assay.

## Storage

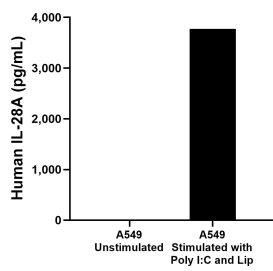
**Storage:**  
Store at -80°C.  
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

**Storage buffer:**  
PBS only

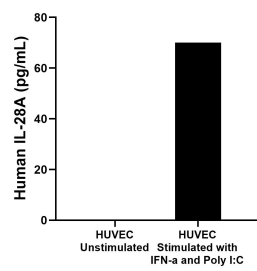
## Selected Validation Data



Sandwich ELISA standard curve of MP50008-1, IL-28A Monoclonal Matched Antibody Pair - PBS only. 60270-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard HZ-1235. 68669-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



A549 cells were cultured unstimulated or stimulated with 10  $\mu$ g/mL Poly I:C and 5  $\mu$ g/mL Lip for 1 day. The mean IL-28A concentration was undetectable in unstimulated supernatant, 3,774.2 pg/mL in stimulated supernatant.



HUVEC cells were cultured unstimulated or stimulated with 100 ng/mL IFN-a and 10  $\mu$ g/mL Poly I:C for 3 hours. The mean IL-28A concentration was undetectable in unstimulated supernatant, 70.0 pg/mL in stimulated supernatant.