

For Research Use Only

# ITIH4 Recombinant monoclonal antibody, PBS Only (Capture/Detector)

Catalog Number: 88354-3-PBS



## Basic Information

|                                                            |                                                                                                     |                                                       |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Catalog Number:</b><br>88354-3-PBS                      | <b>GenBank Accession Number:</b><br>NM_002218.4                                                     | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug, Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>3700                                                                       | <b>CloneNo.:</b><br>260966B6                          |
| <b>Source:</b><br>Rabbit                                   | <b>UNIPROT ID:</b><br>Q14624-1                                                                      |                                                       |
| <b>Isotype:</b><br>IgG                                     | <b>Full Name:</b><br>inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein) |                                                       |
| <b>Immunogen Catalog Number:</b><br>EG10205                | <b>Calculated MW:</b><br>103 kDa                                                                    |                                                       |

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human

## Product Information

88354-3-PBS targets ITIH4 as part of a matched antibody pair:

MP03496-1: 88354-3-PBS capture and 88354-2-PBS detection (validated in Cytometric bead array)

MP03496-2: 88354-4-PBS capture and 88354-3-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Storage

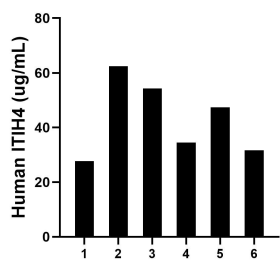
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

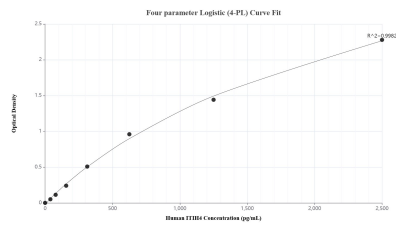
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

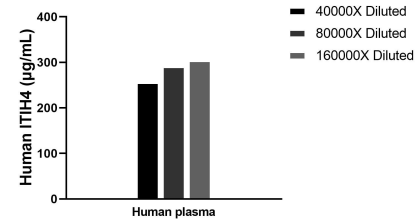
Selected Validation Data



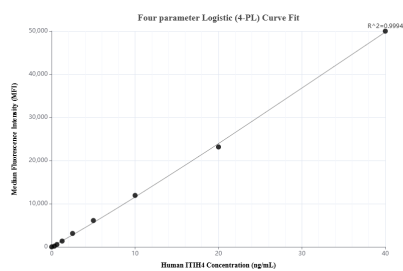
Serum of six individual healthy human donors was measured. The ITIH4 concentration of detected samples was determined to be 43.0 ug/mL with a range of 27.7-62.4 ug/mL.



Sandwich ELISA standard curve of MP03496-2, Human ITIH4 Recombinant Matched Antibody Pair - PBS only. 88354-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg10205. 88354-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



The mean ITIH4 concentration was determined to be 283.8 ug/mL in human plasma.



Cytometric bead array standard curve of MP03496-1, ITIH4 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88354-3-PBS. Detection antibody: 88354-2-PBS. Standard: Eg10205. Range: 0.312-40 ng/mL