

For Research Use Only

# Cyclophilin B Monoclonal antibody

Catalog Number: 66047-1-Ig

Featured Product



## Basic Information

|                           |  |                           |  |                        |   |
|---------------------------|--|---------------------------|--|------------------------|---|
| Catalog Number:           | 66047-1-Ig   | GenBank Accession Number: | BC032138                                   | Purification Method:   | Protein A purification                                      |
| Size:                     | 150ul , Concentration: 1400 ug/ml by 5479<br>Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard; | GenID (NCBI):             | P23284                                     | CloneNo.:              | 8H4F1   |
| Source:                   | Mouse  | Full Name:                | peptidylprolyl isomerase B (cyclophilin B) | Recommended Dilutions: | WB 1:1000-1:8000<br>IHC 1:250-1:1000<br>IF/ICC 1:400-1:1600 |
| Isotype:                  | IgG2a  | Calculated MW:            | 216 aa, 24 kDa                             |                        |   |
| Immunogen Catalog Number: | AG17957  | Observed MW:              | 19-24 kDa                                  |                        |   |

## Applications

|  |                                    |                    |   |
|--|------------------------------------|--------------------|---|
| Tested Applications:   | WB, IHC, IF/ICC, FC (Intra), ELISA | Positive Controls: |   |
| Species Specificity:   | human, mouse                       | WB :               | HeLa cells, MCF-7 cells, HEK-293 cells, Jurkat cells, RAW 264.7 cells, ROS1728 cells, PC-12 cells, C6 cells |
| <b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b> |                                    | IHC :              | human pancreas cancer tissue,   |
|  |                                    | IF/ICC :           | HeLa cells,   |

## Background Information

PPIB, also named as CYPB, SCYLP, PPIase B and CYP-S1, belongs to the cyclophilin-type PPIase family and PPIase B subfamily. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. PPIB is secreted in biological fluids such as blood or milk and binds to a specific receptor present on the human lymphoblastic cell line Jurkat and on human peripheral blood lymphocytes. The full-length of PPIB has 216aa (24 kDa), and a 33aa-signal peptide could be removed in the mature form (about 19 kDa).

## Storage

Storage:  
Store at -20°C. Stable for one year after shipment.  
Storage Buffer:  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

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  
W: ptglab.com

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## Selected Validation Data

