

For Research Use Only

# PD-ECGF Recombinant monoclonal antibody, PBS Only

Catalog Number: 86618-3-PBS



## Basic Information

<b>Catalog Number:</b> 86618-3-PBS	<b>GenBank Accession Number:</b> BC018160	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1890	<b>CloneNo.:</b> 251581B2
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P19971	
<b>Isotype:</b> IgG	<b>Full Name:</b> thymidine phosphorylase	
<b>Immunogen Catalog Number:</b> AG3052	<b>Calculated MW:</b> 482 aa, 50 kDa	
	<b>Observed MW:</b> 50 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

Platelet derived endothelial cell growth factor (PD-ECGF), also known as thymidine phosphorylase (TP), induces migration and angiogenesis in endothelial and tumor cells, and was upregulated in various malignancies compared to that in normal tissues. Interestingly, PD-ECGF has dual effect on tumor development and chemotherapy. It could stimulate cancer cell migration and proliferation. On the other hand, some chemotherapeutic agents (5-fluorouracil, capecitabine, etc.) were converted to their active forms through TP enzymes.

## Storage

**Storage:**  
Store at -80°C.

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

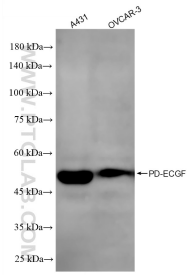
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

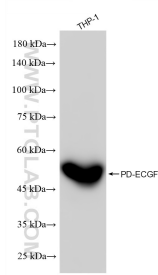
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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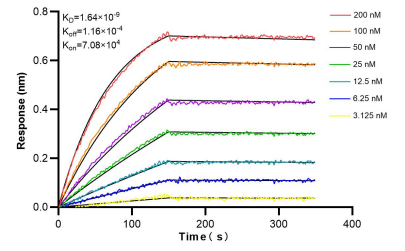
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86618-3-RR (PD-ECGF antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86618-3-PBS in a different storage buffer formulation.



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Biolayer interferometry (BLI) kinetic assays of 86618-3-RR against Human PD-ECGF were performed. The affinity constant is 1.64 nM.