

For Research Use Only

PD-ECGF Recombinant monoclonal antibody

Catalog Number:86618-3-RR



Basic Information

Catalog Number: 86618-3-RR	GenBank Accession Number: BC018160	Purification Method: Protein A purification
Concentration: 1000 µg/ml	GeneID (NCBI): 1890	CloneNo.: 251581B2
Source: Rabbit	UNIPROT ID: P19971	Recommended Dilutions: WB: 1:5000-1:50000
Isotype: IgG	Full Name: thymidine phosphorylase	
Immunogen Catalog Number: AG3052	Calculated MW: 482 aa, 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A431 cells, THP-1 cells, OVCAR-3 cells
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 -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

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

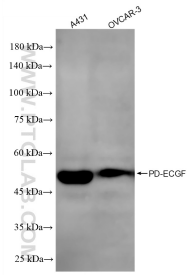
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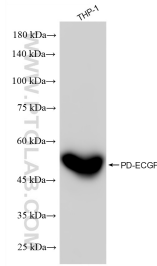
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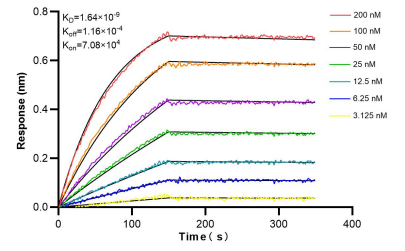
Selected Validation Data



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.



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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.