BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-PD-ECGF/TYMP Antibody Picoband®

Catalog Number: A06329-1

About TYMP

This gene encodes an angiogenic factor which promotes angiogenesis in vivo and stimulates the in vitro growth of a variety of endothelial cells. It has a highly restricted target cell specificity acting only on endothelial cells. Mutations in this gene have been associated with mitochondrial neurogastrointestinal encephalomyopathy. Multiple alternatively spliced transcript variants have been identified.

Overview

Product Name	Anti-PD-ECGF/TYMP Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-PD-ECGF/TYMP Antibody Picoband® catalog # A06329-1. Tested in WB, IP, Flow Cytometry, ELISA applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	ELISA, Flow Cytometry, IP, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P19971

Technical Details

Immunogen	E.coli-derived human PD-ECGF/TYMP recombinant protein (Position: P13-Q482). Human PD-ECGF/TYMP shares 81.8% and 83.8% amino acid (aa) sequence identity with mouse and rat PD-ECGF/TYMP, respectively.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human Immunoprecipitation, 0.5-2 ug/ml, Human Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Human ELISA, 0.1-0.5 ug/ml

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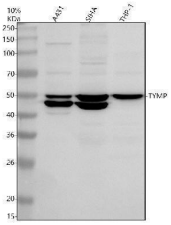
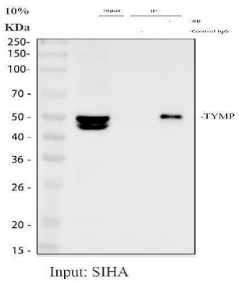
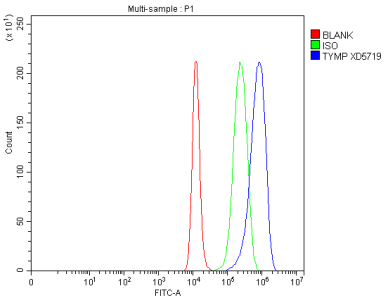
Anti-PD-ECGF/TYMP Antibody Picoband® (A06329-1) Images



Western blot analysis of PD-ECGF/TYMP using anti-PD-ECGF/TYMP antibody (A06329-1). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human A431 whole cell lysates, Lane 2: human SiHa whole cell lysates, Lane 3: human THP-1 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-PD-ECGF/TYMP antigen affinity purified polyclonal antibody (A06329-1) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for PD-ECGF/TYMP at approximately 50 kDa. The expected band size for PD-ECGF/TYMP is at 50 kDa.



Immunoprecipitating PD-ECGF/TYMP in SiHa whole cell lysate. Western blot analysis of PD-ECGF/TYMP using anti-PD-ECGF/TYMP antibody (A06329-1). Lane 1: SiHa whole cell lysates (30ug), Lane 2: Rabbit control IgG instead of anti-PD-ECGF/TYMP antibody in SiHa whole cell lysate, Lane 3: anti-PD-ECGF/TYMP antibody (2ug) + SiHa whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PD-ECGF/TYMP antigen affinity purified polyclonal antibody (A06329-1) at a dilution of 0.5 ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for PD-ECGF/TYMP at approximately 50 kDa. The expected band size for PD-ECGF/TYMP is at 50 kDa.



Flow Cytometry analysis of A431 cells using anti-PD-ECGF/TYMP antibody (A06329-1). Overlay histogram showing A431 cells stained with A06329-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PD-ECGF/TYMP Antibody (A06329-1, 1 ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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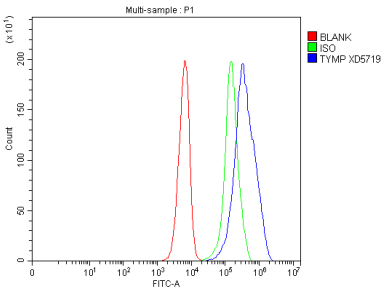

Flow Cytometry analysis of SiHa cells using anti-PD-ECGF/TYMP antibody (A06329-1). Overlay histogram showing SiHa cells stained with A06329-1 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-PD-ECGF/TYMP Antibody (A06329-1, 1 ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

Anti-PD-ECGF/TYMP Antibody

For Research Use Only. Not for use in diagnostic procedures.