

## Anti-VEGFC Antibody

Catalog Number: M00623

### About VEGFC

The protein encoded by this gene is a member of the platelet-derived growth factor/vascular endothelial growth factor (PDGF/VEGF) family, is active in angiogenesis and endothelial cell growth, and can also affect the permeability of blood vessels. This secreted protein undergoes a complex proteolytic maturation, generating multiple processed forms which bind and activate VEGFR-3 receptors. Only the fully processed form can bind and activate VEGFR-2 receptors. This protein is structurally and functionally similar to vascular endothelial growth factor D. [provided by RefSeq].

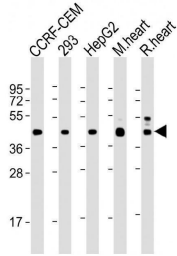
### Overview

Product Name	Anti-VEGFC Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-VEGFC Antibody (Catalog # M00623). Tested in WB application(s). This antibody reacts with Human, Mouse, Rat.
Application	WB
Clonality	Monoclonal 197CT7.3.4
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P49767

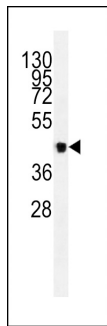
### Technical Details

Immunogen	This VEGFC monoclonal antibody is generated from mouse immunized with VEGFC recombinant protein.
Predicted Reactive Species	Mouse
Isotype	IgG1,K
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:1000

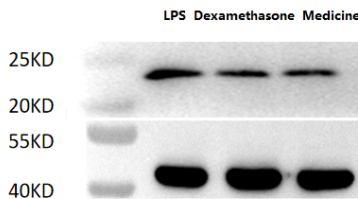
## Anti-VEGFC Antibody (M00623) Images



All lanes : Anti-VEGFC at 1:2000 dilution  
Lane 1: CCRF-CEM whole cell lysate  
Lane 2: 293 whole cell lysate  
Lane 3: HepG2 whole cell lysate  
Lane 4: mouse heart lysate  
Lane 5: rat heart lysate  
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 47 kDa  
Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot analysis of lysates from 293, CEM cell line and mouse heart, rat heart tissue lysates (from left to right), using VEGFC Antibody. M00623 was diluted at 1:1000 at each lane. A goat anti-mouse IgG H&L(HRP) at 1:3000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



Western blot analysis of VEGFC using anti-VEGFC antibody (M00623). Electrophoresis was performed on a 8% 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: LPS treated human retinal microvascular endothelial cells lysates, Lane 2: Dexamethasone treated human retinal microvascular endothelial cells lysates, Lane 3: Medicine treated human retinal microvascular endothelial cells 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-VEGFC antigen affinity purified polyclonal antibody (M00623) at 1:2000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a HRP Conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) (BA1054) at a dilution of 1:10000 for 1 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with ChemiDoc MP system.

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