

InVivoMAb anti-mouse VEGFR-2

Lot Specific Information

Lot Number:	Lot Specific*
Volume:	Lot Specific*
Concentration:	Lot Specific* (generally 4 to 11 mg/ml) *
Total Protein:	Lot Specific*

*This information will be noted on the certificate of analysis that ships with this product.

Product Information

Catalog Number:	BE0060
Clone:	DC101
Isotype:	Rat IgG1, κ
Recommended Isotype Control(s):	InVivoMAb rat IgG1 isotype control, anti-horseradish peroxidase
Recommended Dilution Buffer:	InVivoPure pH 7.0 Dilution Buffer
Immunogen:	Mouse VEGFR-2 SEAPs soluble receptor <i>in vivo</i> blocking of VEGF/VEGFR-2 signaling <i>in vitro</i> blocking of VEGFR signaling Western blot
Reported Applications:	
Formulation:	PBS, pH 7.0 Contains no stabilizers or preservatives
Endotoxin:	<2EU/mg (<0.002EU/ μ g) Determined by LAL gel clotting assay
Purity:	>95% Determined by SDS-PAGE
Sterility:	0.2 μ M filtered
Production:	Purified from tissue culture supernatant in an animal free facility
Purification:	Protein G
RRID:	AB_1107766
Molecular Weight:	150 kDa

Description

The DC101 monoclonal antibody reacts with mouse VEGFR-2 (vascular endothelial growth factor receptor 2) also known as CD309, KDR, and Flk-1. VEGFR-2 is a member of the tyrosine protein kinase family. Upon binding to its ligand VEGF, VEGFR-2 plays key roles in vascular development and permeability. VEGFR-2 is expressed on endothelial cells at high levels in adult heart, lung, kidney, brain, and skeletal muscle as well as other tissues at lower levels. The DC101 antibody has been shown to inhibit VEGFR-2 signaling *in vivo*.

Shelf-life and Storage

Store at the stock concentration at 4°C. **Do not freeze.**

All Bio X Cell antibodies have a guaranteed shelf-life of one year from the date of customer receipt when stored as recommended. It is not uncommon for a floccule or precipitate to appear during storage. The floccule is typically buffer salts precipitating out of solution or a small bit of protein aggregation. For information on how to remove floccules or precipitates see our FAQ's at bxcell.com/faqs.

Protocol Information

Since applications vary, each investigator should use the application references as a guide to help estimate the appropriate dose or concentration. The dose or concentration can be further optimized experimentally in a dose response or titration experiment.

Application References

For a complete list of references, visit <https://bxcell.com/product/m-vegf-receptor/#references> or scan the QR code below.

Bio X Cell, Inc.

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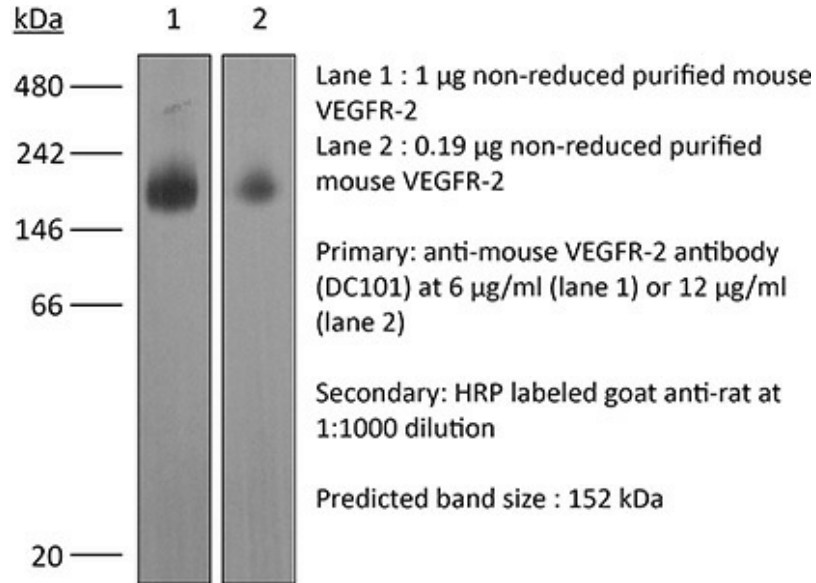
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Binding Validation

Western blot data shown below confirms that this clone binds to its target antigen. For lot specific binding validation data, email technicalservice@bxcell.com.



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