

Datasheet for KOA0852

Mouse VEGF-B ELISA Kit**Overview**

Description:	Mouse VEGF-B AccuSignal ELISA Kit - KOA0852
Item No.:	KOA0852
Size:	1 Kit
Applications:	ELISA
Reactivity:	Mouse
Range:	31.2 pg/ml - 2000 pg/ml

Product Details

Background:	Vascular endothelial growth factor B also known as VEGF-B is a protein that, in humans, is encoded by the VEGF-B gene. VEGF-B is a growth factor that belongs to the vascular endothelial growth factor family, of which VEGF-A is the best-known member. In contrast to VEGF-A, VEGF-B plays a less pronounced role in the vascular system: Whereas VEGF-A is important for the formation of blood vessels, such as during development or in pathological conditions, VEGF-B seems to play a role only in the maintenance of newly formed blood vessels during pathological conditions. It also plays an important role on several types of neurons. And it is important for the protection of neurons in the retina and the cerebral cortex during stroke and of motoneurons during motor neuron diseases such as amyotrophic lateral sclerosis.
Synonyms:	Vascular endothelial growth factor B, VEGF B, VEGF related factor, VEGF-B, VEGF-related factor, Vegfb, VEGFB_HUMAN, VEGFL, VRF
Detection Kit Type:	ELISA Kit
Detection Range:	31.2 pg/ml - 2000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	VEGFB
Reactivity:	Mouse
Immunogen:	Expression system for standard: sf21; Immunogen sequence: Q20-A207&Q20-R148

Purity/Specificity: Natural and recombinant mouse VEGF-B. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- [UniProtKB - P49766](#)
- [NCBI - NP_001172093.1](#)
- [GeneID - 22340](#)
- [KOA0852 Protocol](#)

Application Details

Tested Applications: ELISA

Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 2000pg/ml, 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml mouse VEGF-B standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin) to each empty well. We recommend that each mouse VEGF-B standard solution and each sample is measured in duplicate.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 31.2pg/ml-2000pg/ml

Other: DOE:
2-8° C - 03/20/2022
-20° C - 08/31/2022

Formulation

Concentration: 1 Kit

Anticoagulant: Heparin Sodium

Shipping & Handling

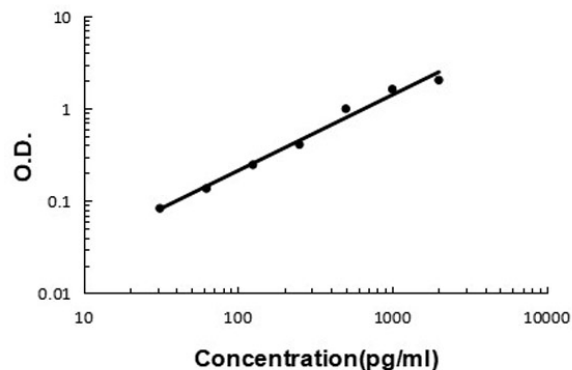
Shipping Condition: Wet Ice

Storage Condition: Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Expiration: See kit insert for complete instructions.

Images

Mouse VEGF-B ELISA Kit



ELISA

Mouse VEGF-B ELISA Kit standard curve.

References

- Zhang G et al. Nanoparticle delivery of VEGF-B mRNA promotes T cell infiltration within tumor and triggers robust antitumor immunity. *Mol Ther Nucleic Acids*. (2025)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.