

## **Product Data Sheet**

Catalogue No. Qty:

AB0063-200  $600 \,\mu g$ 

## **Anti-VEGFA**

**Source:** Goat

**General description:** Goat polyclonal to VEGFA. This protein is a member of the PDGF/VEGF growth factor family. It is a glycosylated mitogen that specifically acts on endothelial cells and has various effects such as mediating increased vascular permeability, endothelial cell growth, promoting cell migration, inducing angiogenesis and inhibiting apoptosis.

**Alternative names:** MVCD1, RP1-261G23.1, VEGF, vascular permeability factor and VPF antibody.

**Form:** Polyclonal antibody supplied as a 200 µl (3 mg/ml) aliquot in PBS, 20% glycerol and 0.05% sodium azide. This antibody is epitope-affinity purified from goat antiserum.

**Immunogen:** Purified recombinant human VEGFA isoform 6 produced in E. coli.

Specificity: Detects endogenous levels of total VEGFA by Western blot in whole cell and tissue lysates.

**Reactivity:** Reacts with Human, Rat, Mouse, Monkey and Canine proteins

Sample	WB	IHC (F)	IHC (P)	IF	ELISA
Human	+++	ND	ND	+++	ND
Rat	+++	ND	ND	+++	ND
Mouse	+++	ND	ND	+++	ND
Canine	+++	ND	ND	+++	ND
Monkey	+++	ND	ND	+++	ND

+++ excellent, ++ good, + poor, ND not determined

**Usage:** 

WB: 1:250-1:2,000 IF: 1:50-1:250

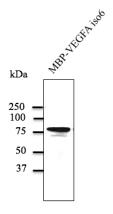
Storage: For continuous use, store at 2-8 C for one-two days. For extended storage, store in -20 C freezer.

Working dilution samples should be discarded if not used within 12 hours.

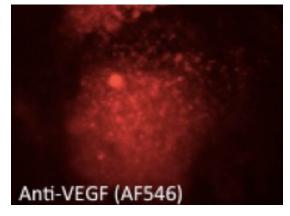
**Special instructions:** The antibody solution should be gently mixed before use..

## **References:**

- 1. 1. Martinho JM, Coelho A, Oliveiros B, et al. Int Endod J 2021 May PMID: 33999433
- 2. 2. Oliveira SF, MSc Thesis, University of Coimbra, Portugal, 2019
- 3. Rodrigues T, Borges P, Mar L, et al. Pharmacol Res. 2020 Sep. PMID: 32942016
- 4. Rodrigues TDA, PhD Thesis, University of Coimbra, Portugal, 2018
- 5. Fonseca LMO, MSc Thesis, University of Berlin, Portugal 2018
- 6. Rodrigues T, Matafome P, Sereno J, et al. Sci Rep. 2017 May PMID: 28490763



MBP-VEGFA isoform 6 recombinant protein detected by WB using anti-VEGFA Ab at 1,000 dilution; rabbit polyclonal to goat IgG (HRP) at 1/10,000 dilution;



Immunostaining of primary RPE cells using VEGFA Ab at 1/50 dilution;

For research use only, not for diagnostic use

## SICGEN's Proprietary Immunogen Policy

In order to produce high specific antibodies SICGEN has invested a lot of time and effort into selecting immunogen sequences. SICGEN has decided to protect this information by not publishing it on the website. However, these sequences are available on request.