

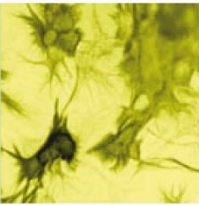
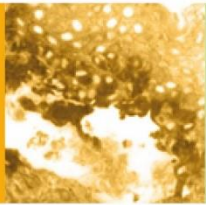
Data Sheet

VASCULAR ENDOTHELIAL GROWTH FACTOR (VEGF)

ANTIBODY, POLYCLONAL

Catalog no.:	AS1016.3 / AS1016.4
Immunogen:	Recombinant bovine Vascular Endothelial Growth Factor-164
Synonyms:	Vascular endothelial growth factor A (VEGF-A), Vascular permeability factor (VPF)
Swiss-Prot No:	P15691
Gene Information:	Gene Name: VEGF, VEGFA Gene ID: 281572
Host:	Rabbit
Matrix:	IgG, Protein A purified from serum; 50 mM TRIS, pH 7.4, 20 mM D-(+)-trehalose dihydrate, 40 mM D-(-)-mannitol
Specificity:	Bovine, porcine, and domestic ruminants VEGF-164, and all human VEGF isoforms (121, 165, 189, and 206) No cross reaction was obtained with PDGF-AA, PDGF-BB, PDGF-AB, FGF-1, FGF-2, and TGF α .
Contents:	10 μ g / 100 μ g (lyophilized) Resuspend in 10 μ l / 100 μ l aqua bidest.
Known applications:	RIA ^{1,2,3,4} , immunohistochemistry (paraffin sections; cryosections) ^{1,2,3} , Western Blot ^{2,5} This antibody has not been tested for use in all applications. This does not necessarily exclude its use in non-tested procedures. The stated dilutions are recommendations only. End users should determine optimal dilutions in their system using appropriate negative/positive controls.
Store at:	2-8 °C (lyophilized); - 20 °C (dissolved) Repeated thawing and freezing must be avoided
References:	1. Berisha B, Schams D, Kosmann M, Amselgruber W, Einspanier R (2000). Expression and localization of vascular endothelial growth factor and basic fibroblast growth factor during the final growth of bovine ovarian follicles. <i>J Endocrinol</i> 167 (3): 371-382. 2. Berisha B, Schams D, Kosmann M, Amselgruber W, Einspanier R (2000). Expression and tissue concentration of vascular endothelial growth factor, its receptors, and localization in the bovine corpus luteum during estrous cycle and pregnancy. <i>Biol Reprod</i> 63 (4): 1106-1114.





3. Einspanier R, Schonfelder M, Muller K, Stojkovic M, Kosmann M, Wolf E, Schams D (2002). Expression of the vascular endothelial growth factor and its receptors and effects of VEGF during in vitro maturation of bovine cumulus-oocyte complexes (COC). *Mol Reprod Dev* **62**(1): 29-36.

4. Kaczmarek MM, Blitek A, Schams D, Ziecik AJ (2010). Effect of Luteinizing Hormone and Tumour Necrosis Factor-Alpha on VEGF Secretion by Cultured Porcine Endometrial Stromal Cells. *Reproduction in Domestic Animals* **45**(3): 481-486.

5. Klipper E, Levit A, Mastich Y, Berisha B, Schams D, Meidan R (2010). Induction of Endothelin-2 Expression by Luteinizing Hormone and Hypoxia: Possible Role in Bovine Corpus Luteum Formation. *Endocrinology* 151(4): 1914-1922.

Last updated on: 27 March 2025

For research use only

Publishing research using AS1016? Please let us know so that we can cite your publication as a reference.

