

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 G purified from serum; 50 mM TRIS, pH 7.4
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 TGFα.
Contents:	10 µg / 100 µg (lyophilized) Resuspend in 10 µl / 100 µl 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. *J Endocrinol* ***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. *Biol Reprod* ***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.

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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.

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