

## **International Office**

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Research Use Only. Not for diagnostic or therapeutic use.

# EB11645 - Goat Anti-VEGFA (aa387-399) Antibody

Size: 100µg specific antibody in 200µl



#### **Target Protein**

Principal Names: MGC70609, MVCD1, OTTHUMP00000016487,

OTTHUMP0000016488, OTTHUMP00000165985, OTTHUMP00000165986, OTTHUMP00000165987, OTTHUMP00000224107, OTTHUMP00000224108, OTTHUMP00000224109, OTTHUMP00000224153, OTTHUMP00000224154, OTTHUMP00000224423, OTTHUMP00000224424, OTTHUMP00000224425,

OTTHUMP00000224426, OTTHUMP00000224427, OTTHUMP00000224428,

OTTHUMP00000224429, OTTHUMP00000224430, vascular endothelial growth factor A,

vascular permeability factor, VEGF, VEGFA, VPF

Official Symbol: VEGFA

**Accession Number(s):** NP\_001020537.2; NP\_003367.4; NP\_001020538.2; NP\_001020539.2; NP\_001028928.1; NP\_001165094.1; NP\_001165095.1;

NP\_001165096.1; NP\_001165097.1; NP\_001165100.1

Human GeneID(s): 7422

Non-Human GenelD(s): 22339 (mouse), 83785 (rat)

**Important Comments:** This antibody is expected to recognize following isoforms: a (45.5kDa), b (43.6kDa), c (42.8kDa), d (40.7kDa), g (40.6kDa), i (27.0kDa), j (25.2kDa), k (24.4kDa), o (22.3kDa) and s (18.9kDa)

#### **Immunogen**

Peptide with sequence KNTDSRCKARQLE, from the C Terminus of the protein sequence according to NP\_001020537.2; NP\_003367.4; NP\_001020538.2; NP\_001020539.2; NP\_001028928.1; NP\_001165094.1; NP\_001165095.1; NP\_001165096.1; NP\_001165100.1.

Please note the peptide is available for sale.

### **Purification and Storage**

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

## **Applications Tested**

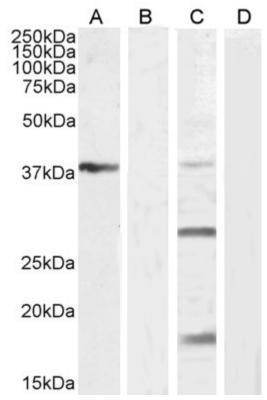
Peptide ELISA: antibody detection limit dilution 1:128000.

Western blot: Approx 38kDa band observed in Mouse Liver lysates, 38+28+18kDa in Human Kidney lysates and approx 18kDa in lysates of cell line K562 (calculated MW of 40.3kDa according to Mouse NP\_033531.3, 40.6kDa according to Human NP\_001028928.1, 27.0kDa according to Human NP\_001165094.1 and 18.9kDa according to Human NP\_001273973.1 ). These bands were all successfully blocked by incubation with the immunizing peptide.. Recommended concentration: 0.3-1 $\mu$ g/ml. Primary incubation 1 hour at room temperature.

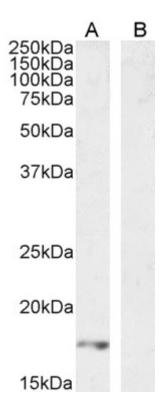
### **Species Reactivity**

Tested: Human, Mouse

Expected from sequence similarity: Human, Mouse, Rat, Cat, Dog, Pig, Cow



EB11645 (1µg/ml) staining of Mouse Liver Iysate (A) + Peptide (B), Human Kidney Iysate (C) + Peptide (D) (35µg protein in RIPA buffer) Detected by chemiluminescence.



EB11645 (1µg/ml) staining of K562 cell lysate (A) + Peptide (B) (35µg protein in RIPA buffer). Detected by chemiluminescence.