

## Product datasheet for TA385548M

### VEGFA Rabbit Monoclonal Antibody [Clone ID: R04-6D7]

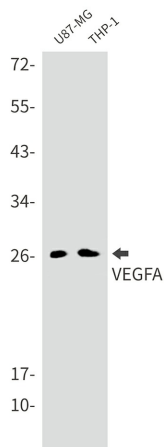
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	R04-6D7
Applications:	WB
Recommended Dilution:	WB: 1/1000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	A synthetic peptide of human VEGFA
Formulation:	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Calculated MW: 27 kDa; Observed MW: 25-50 kDa
Gene Name:	vascular endothelial growth factor A
Database Link:	<a href="#">Entrez Gene 7422 Human P15692</a>
Background:	Swiss-Prot Acc.P15692.Growth factor active in angiogenesis, vasculogenesis and endothelial cell growth. Induces endothelial cell proliferation, promotes cell migration, inhibits apoptosis and induces permeabilization of blood vessels. Binds to the FLT1/VEGFR1 and KDR/VEGFR2 receptors, heparan sulfate and heparin. NRP1/Neuropilin-1 binds isoforms VEGF-165 and VEGF-145. Isoform VEGF165B binds to KDR but does not activate downstream signaling pathways, does not activate angiogenesis and inhibits tumor growth. Binding to NRP1 receptor initiates a signaling pathway needed for motor neuron axon guidance and cell body migration, including for the caudal migration of facial motor neurons from rhombomere 4 to rhombomere 6 during embryonic development .

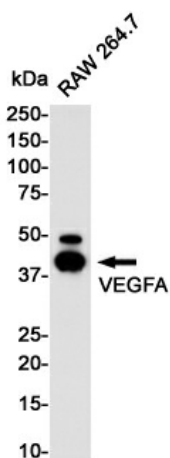

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**Synonyms:** MGC70609; MVCD1; VEGF; VEGF-A; VPF

## Product images:



Western blot analysis of VEGFA in U87-MG, THP-1 lysates using VEGFA antibody.



Western blot analysis of VEGFA in RAW264.7 lysates using VEGFA antibody.