



Hi-Puri™ Rabbit Anti-VEGFA Monoclonal antibody, clone G6 (DMAB-CS25221)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	G6 is a synthetic antibody derived from phage display libraries that has the ability to bind and neutralize both human and murine vascular endothelial growth factor (VEGF).
Specificity	G6 recognises a VEGF epitope which is conserved between human and mouse VEGF and overlaps with the receptor binding surface.
Target	Human/Mouse VEGFA
Immunogen	The anti-mVEGF Fab G6 underwent light chain randomisation by placing stop codons in positions 91-96 in CDR-L3 and an equimolar mix of oligonucleotides designed for mutagenesis was annealed to the mV401 stop template phagemid, followed by mutagenesis and E. coli electroporation. Binding selection was performed with mVEGF immobilised on immunoplates followed by solution-phase sorting with increasing stringency and single-point competitive ELISA to screen for high-affinity clones.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Clone	G6
Purification	>90% determined by SDS-PAGE
Conjugate	Unconjugated
Applications	Crystallography, SPR, BL, ELISA, IF Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be

excluded.

Format	Liquid
Concentration	lot specific
Size	200 µg, 1 mg
Buffer	PBS (endotoxin < 1EU/mg, lower endotoxin levels may also be offered upon request)
Preservative	None
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles.
Ship	Dry ice

BACKGROUND

Introduction	Vascular endothelial growth factor (VEGF) is a highly specific angiogenic growth factor; anti-angiogenic treatment through inhibition of receptor activation by VEGF might have important therapeutic applications in diseases such as diabetic retinopathy and cancer.
Keywords	Vascular endothelial growth factor; VEGF; VEGFA; VPF