



Hi-Puri™ Human Anti-Human VEGFA

Monoclonal antibody, clone Fab-12 (DMAB-CS25207)

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

PRODUCT INFORMATION

Product Overview	The antibody neutralizes VEGF by sterically blocking its interaction with receptors, utilizing a distinct set of VEGF residues for binding. Despite the unique binding site, the antibody's interaction with VEGF creates a functional complementarity that is essential for high-affinity neutralization, making it an effective therapeutic agent against VEGF-mediated activities.
Specificity	The anti-VEGFA antibody binds VEGF at outer strands $\beta 5$ and $\beta 6$, in close proximity to the β turn between these strands.
Target	Human VEGFA
Immunogen	Human VEGFA
Isotype	IgG
Source/Host	Human
Species Reactivity	Human
Clone	Fab-12
Purification	>90% determined by SDS-PAGE
Conjugate	Unconjugated
Applications	Neut, ELISA, Binding Assay 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