

## KDR

### Mouse Anti-Human VEGF R2/KDR/Flk-1 Clone 2F46 mAb

<b>Catalog No.</b>	CMV119	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	Vascular Endothelial Growth Factor Receptor- 2, VEGFR-2, CD309, Fetal liver kinase 1, FLK1, VEGFR; VEGFR2; kinase insert domain receptor, KDR		
<b>Description:</b>	Mouse Anti-human VEGF R2/KDR/Flk-1 Clone 2F46 monoclonal antibody. Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This VEGF receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting.		
<b>Gene ID:</b>	3791		
<b>Specificity:</b>	Recognizes human VEGF R2/KDR/Flk-1		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Human VEGF R2/KDR/Flk-1 N-terminal protein		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	2F46		
<b>Formulation:</b>	Lyophilized from a 0.2 µm sterile filtered solution in PBS		
<b>Purification:</b>	Protein G affinity chromatography		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Reconstitute with sterile distilled water.		
<b>Cross-Reactivity:</b>	No cross-reactivity with human VEGFR1 or human VEGFR3		
<b>Applications:</b>	ELISA: working dilution of 1:50 Western Blot: working dilution of 1:400-1000 Immunohistochemistry (Paraffin): working dilution of 1:100-400		
<b>Application Notes:</b>	The optimal concentration should be determined by the user for each specific application.		
<b>Storage &amp; Stability:</b>	Lyophilized antibody is stable for two years at -80°C. Reconstituted antibody can be aliquotted and stored frozen at -80°C for at least six months without detectable loss of activity. <b>Avoid repeated freeze-thaw cycles.</b>		

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