

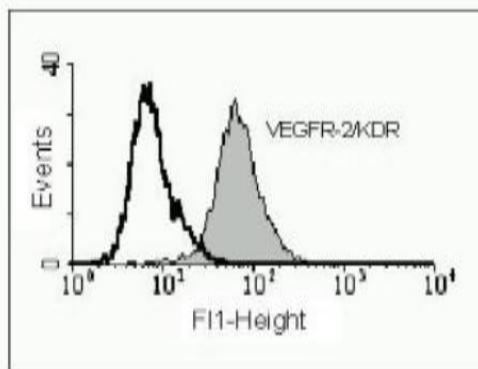
## KDR

### Mouse Anti-Human VEGFR-2/KDR Clone #3(4H3) mAb

<b>Catalog No.</b>	CMV012	<b>Quantity:</b>	100 µg
<b>Alternate Names:</b>	FLK1, CD309, VEGFR, VEGFR2		
<b>Description:</b>	<p>Mouse Anti-Human VEGFR-2/KDR Clone 4H3 monoclonal antibody.</p> <p>Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. VEGF receptor 2 is one of the two receptors of the VEGF. This 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. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, and T-cell protein tyrosine phosphatase.</p>		
<b>Gene ID:</b>	3791		
<b>Specificity:</b>	Detects Native Human KDR/VEGFR-2 on the surface of different human cell types.		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Recombinant Human soluble extracellular KDR (D7)		
<b>Isotype:</b>	IgG1		
<b>Clone:</b>	#3(4H3)		
<b>Formulation:</b>	Lyophilized from PBS, pH 7.2 without preservative.		
<b>Purification:</b>	Protein G chromatography		
<b>Reconstitution:</b>	<b>Centrifuge vial prior to opening.</b> Add sterile distilled water to a concentration of 0.1-1.0 mg/ml.		
<b>Applications:</b>	Western Blot FACS analysis and cell sorting		
<b>Application Notes:</b>	<p>For western blot use at a working dilution of 2-5 µg/ml.</p> <p>For FACS use at a working dilution of 2-5 µg/ml.</p> <p>Optimal dilutions should be determined by each laboratory for each application.</p>		
<b>Storage &amp; Stability:</b>	Stable at room temperature for up to one month. After reconstitution, stable for at least two weeks at 2-4°C. Stable for at least 6 months when stored at -20°C. <b>Avoid repeated freeze-thaw cycles.</b>		



Flow cytometry of human umbilical vein endothelial cells (HUVECs) using Clone 4H3



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