For Research Use Only

CoraLite® Plus 647-conjugated ERK1/2 Monoclonal antibody

Catalog Number: CL647-67170

Basic Information	Catalog Number: CL647-67170	GenBank Accession Number: NM_002746	Purification Method: Protein A purification
	Size: 1000 µg/ml	GenelD (NCBI): 5595	CloneNo.: 1A3D3
	Source: Mouse	UNIPROT ID: P27361	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
	Isotype: IgG2a	Full Name: mitogen-activated protein kinase 3	
		Calculated MW: 38-43 kDa	
Applications	Tested Applications: FC (Intra)		
	Species Specificity: Human, Mouse, Rat		
Background Information	ERK1 and ERK2 belongs to the protein kinase superfamily. It is involved in both the initiation and regulation of meiosis, mitosis, and postmitotic functions in differentiated cells by phosphorylating a number of transcription factors such as ELK-1. ERK1/2 catalized the reaction: ATP + a protein = ADP + a phosphoprotein. It is activated by tyrosine phosphorylation in response to INS and NGF. This antibody can recognize both ERK1 and ERK2 with the molecular mass of 38-44 kDa.		
Storage	Storage: Store at -20°C. Avoid exposure to light. Stable for one year after shipment. Storage Buffer: PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3. Aliquoting is unnecessary for -20°C storage		

For technical support and original validation data for this product please contact:T: 4006900926E: Proteintech-CN@ptglab.comW: ptgcn.com

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Selected Validation Data