

KLKB1

Native Cynomolgus Monkey Kallikrein, Plasma

Catalog No.	CNK103A	Quantity:	50 µg
Alternate Names:	Kallikrein B1		
Description:	A serine protease that cleaves Lys-Arg and Arg-Ser bonds in kininogen to release bradykinin. Present in plasma as an inactive precursor prekallikrein, cleaved by Factor XII. Plasma kallikrein liberates kinins (bradykinin and kallidin) from the kininogens, peptides responsible for the regulation of blood pressure and activation of inflammation. It is also capable of generating plasmin from plasminogen.		
UniProt ID:	A0A2K5VTQ7		
Source:	Normal plasma from <i>Macaca fascicularis</i>		
Molecular Weight:	approximately 86 - 88 kDa		
Formulation:	20 mM Tris-HCl, 100 mM NaCl, pH 7.8		
Purity:	≥ 95% by SDS-PAGE analysis		
Concentration:	Lot specific		
Extinction Coefficient:	$E^{0.1\%}_{280\text{nm}} = 1.06$		
Storage & Stability:	Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. Avoid repeated freeze-thaw cycles.		
Infectious Disease Statement:	Prepared from donor monkeys that have been individually tested for B-Virus (Herpes Virus Simiae) and found to be negative.		
Country of Origin:	USA		

SDS-PAGE: 4-12% Bis-Tris NuPAGE
reduced and non-reduced



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