

Mouse Anti-Human SRC Clone 28 mAb

Catalog No.	CSI12426	Quantity:	50 µg
Description:	Mouse Anti-Human SRC Clone 28 monoclonal antibody. This monoclonal antibody recognizes an active form of c-Src which is not phosphorylated at tyrosine 529. Src (also known as pp60src) is a non-receptor tyrosine kinase involved in signal transduction in many biological systems and implicated in the development of human tumors. There are two critical phosphorylation sites of tyrosine on Src, tyrosine 418 and tyrosine 529 (referring to human Src sequence). The tyrosine 418 is located in the catalytic domain and is one of the autophosphorylation sites. Full catalytic activity of Src requires phosphorylation of tyrosine 418. The tyrosine 529 is located near the carboxyl terminus of Src and acts as a negative regulator, in that Src is held in the inactive form through an intramolecular interaction between the SH2 domain and the carboxyl terminus when tyrosine 529 is phosphorylated by Csk. This conformation blocks phosphorylation of tyrosine 418 at the catalytic domain, thereby preventing Src activation. When tyrosine 529 is dephosphorylated, tyrosine 418 can be maximally phosphorylated and Src becomes active. This antibody also recognizes the other members of Src family including Fyn, Yes, and Fgr.		
Concentration:	0.5 mg/ml		
Host:	Mouse		
Immunogen:	KLH conjugated peptide corresponding to amino acid residues 519-536 of human c-Src.		
Isotype:	IgG2a κ		
Clone:	28		
Formulation:	Purified immunoglobulin in PBS, pH 7.2 + 1% BSA + 0.1% sodium azide. Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
Purification:	Purified from ascites by affinity chromatography.		
Cross-Reactivity:	Human, mouse, and rat		
Applications:	Western blot: working dilution of 1 µg/ml Immunocytochemistry Immunohistochemistry The optimal concentration should be determined by the user for each specific application.		
Storage & Stability:	Store at 2-4°C. For long term storage, aliquot into small volumes and store at -20°C. Avoid repeated freeze-thaw cycles to prevent denaturing the antibody.		

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

