

## FYN

### Mouse Anti-Human FYN Oncogene Tyrosine Kinase Clone FYN-59 mAb

<b>Catalog No.</b>	CSI12019 CSI12020	<b>Quantity:</b>	25 µg 100 µg
<b>Alternate Names:</b>	Tyrosine kinase p59fyn, Protein-tyrosine kinase fyn, Proto-oncogene tyrosine-protein kinase fyn		
<b>Description:</b>	Fyn is a 59 kD protein tyrosine kinase and a member of the src subfamily. There are two reported isoforms of Fyn; FynT found in T cells, B cells and thymocytes, and FynB found in neuronal cells. Fyn has been shown to control cell growth, interact with the p85 subunit of PI3K, control high affinity IgE receptor-mediated mast cell degranulation, and participate in neuronal cell signaling. Fyn can be activated by T cell receptor engagement or anti-CD3 ligation. Fyn is known to be modified by phosphorylation and palmitoylation and has been shown to interact with Fyn binding protein, p85 PI3K, high affinity IgE receptor, and NCAM140. The FYN-59 monoclonal antibody recognizes human and mouse Fyn and has been shown to be useful for Western blotting, immunoprecipitation, and immunohistochemistry.		
<b>Concentration:</b>	0.5 mg/ml		
<b>Gene ID:</b>	2534		
<b>Modification:</b>	Phosphorylation, Palmitoylation		
<b>Regulation:</b>	Activated by TCR engagement or anti-CD3.		
<b>Host:</b>	Mouse		
<b>Immunogen:</b>	Partial recombinant human Fyn (aa 7-176) expressed in <i>E coli</i>		
<b>Isotype:</b>	Mouse IgG		
<b>Clone:</b>	FYN-59		
<b>Distribution:</b>	FynT T cells, thymocytes, B cells; fynB neuronal cells.		
<b>Formulation:</b>	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide at 0.5 mg/ml. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purification:</b>	The antibody was purified by affinity chromatography.		
<b>Structure:</b>	Protein tyrosine kinase family, src subfamily. Isoforms fynT, fynB, 59 kD.		
<b>Reactivity:</b>	Human, Mouse		



**Applications:** WB, IP

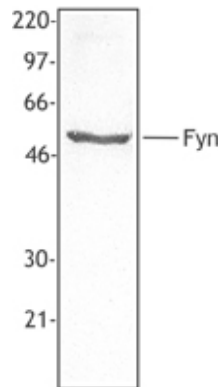
**Recommended Usage:** Each lot of this antibody is quality control tested by Western blotting. For Western blotting, suggested working dilution(s): Use 5 µg per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

**Storage & Stability:** The antibody solution should be stored undiluted at 4°C.

**Function:** Controls cell growth, interacts with p85 subunit of PI3K. Involved in high affinity IgE receptor-mediated mast cell degranulation.

**Interaction:** Fyn binding protein, p85 PI3K, high affinity IgE receptor, NCAM140

Extracts from human PBMC were resolved by electrophoresis, transferred to nitrocellulose, and probed with monoclonal antibody against Fyn. Proteins were visualized using a goat anti-mouse secondary conjugated to HRP and a chemiluminescence detection system.



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