

## Product datasheet for **AM06531SU-N**

### CSK Mouse Monoclonal Antibody [Clone ID: 5F3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5F3
Applications:	ELISA, FC, IF, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>Flow Cytometry:</b> 1/200 - 1/400.
Reactivity:	Human, Monkey, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human CSK expressed in E. Coli.
Specificity:	Recognizes CSK
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	50 kDa
Gene Name:	c-src tyrosine kinase
Database Link:	<a href="#">Entrez Gene 1445 Human P41240</a>



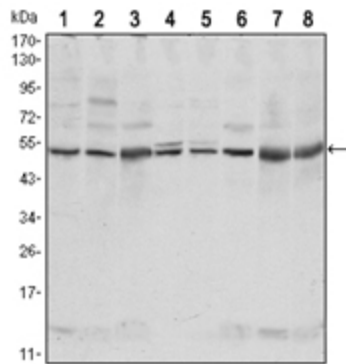
[View online »](#)

**Background:**

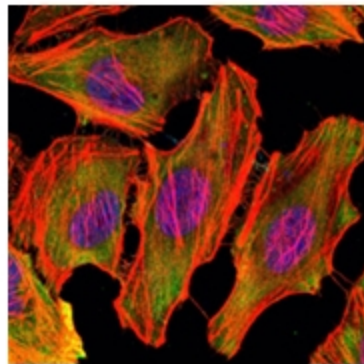
Carboxy-terminal Src kinase (Csk) is a ubiquitously expressed nonreceptor tyrosine kinase that negatively regulates the Src family kinases (SFK) by phosphorylation of the SFK carboxy-terminal tyrosine. Phosphorylated carboxy-terminal tyrosine binds to the SH2 domain of SFK intramolecularly and leads to folding and inactivation of the SFK. This Csk-catalyzed SFK tyrosine phosphorylation is highly specific and exclusive. The SFK carboxy-terminal tyrosine is the only known physiological substrate of Csk. Tissue specificity: Expressed in lung and macrophages.

**Synonyms:**

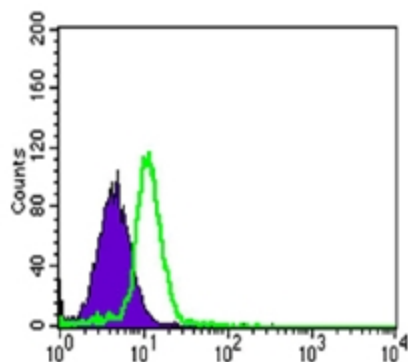
Tyrosine-protein kinase CSK, C-SRC kinase, Protein-tyrosine kinase CYL

**Product images:**


Western blot analysis using CSK antibody Cat.-No AM06531SU-N against NIH/3T3 (1) ?Hela (2) ? COS7 (3), Jurkat (4), Raw246.7 (5), A549 (6), HL-60 (7) and PC-12 (8) cell lysate.



Immunofluorescence analysis of U251 cells using CSK antibody Cat.-No AM06531SU-N (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.



Flow cytometric analysis of HL-60 cells using CSK antibody Cat.-No AM06531SU-N (green) and negative control (purple).