



## CSK Mouse Monoclonal Antibody

E10-30117

**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.

**Catalog Number:** E10-30117

**Amount:** 100µg/100µl

**Clone Number:** 5F3

**Species:** Mouse IgG1

**MW:** 50kDa

**Aliases:** MGC117393; CSK

**Entrez Gene:** 1445

**Immunogen:** Purified recombinant fragment of human CSK expressed in E. Coli.

**Storage:** Store at 4°C, for long term storage, store at -20°C.

**Formulation:** Ascitic fluid containing 0.03% sodium azide.

**Species Reactivities:** Human; Mouse; Monkey; Rat

**Tested Applications:** WB, IF, FC, ELISA. Not yet tested in other applications.

**Application notes:** WB: 1/500 - 1/2000, IF: 1/200-1/1000, FC: 1/200-1/400, ELISA: Propose dilution 1/10000.

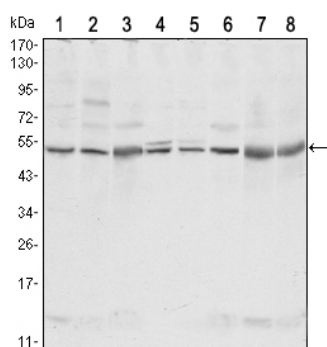


Figure 1: Western blot analysis using CSK mouse mAb against NIH/3T3 (1), Hela (2), COS7 (3), Jurkat (4), Raw246.7 (5), A549 (6), HL-60 (7) and PC-12 (8) cell lysate.

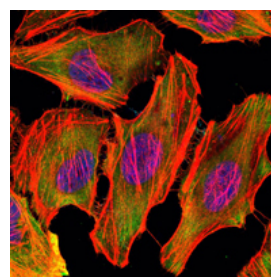


Figure 2: Immunofluorescence analysis of U251 cells using CSK mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

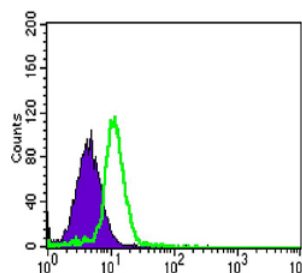


Figure 3: Flow cytometric analysis of HL-60 cells using CSK mouse mAb (green) and negative control (purple).

**For Research Use Only**