

**FITC Anti-Human CD8 (SK1) Antibody**  
Catalog # ATB10432

**Specification**

**FITC Anti-Human CD8 (SK1) Antibody - Product Information**

Application	FC
Isotype	Mouse IgG1, kappa
Concentration	5 µL (0.125 µg)/test
Reactivity	Human
Formulation	10mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, 0.09% NaN <sub>3</sub> , 0.1% gelatin, pH7.2 0.1% gelatin, pH7.2

**FITC Anti-Human CD8 (SK1) Antibody - Additional Information**

Gene ID	925
Gene Name	CD8A
Alternative Name(s)	
CD8 alpha, leu-2a	

**Format**  
FITC

**Storage Conditions**  
2-8°C protected from light

**FITC Anti-Human CD8 (SK1) Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**FITC Anti-Human CD8 (SK1) Antibody - Images**

**FITC Anti-Human CD8 (SK1) Antibody - Background**

The SK1 antibody is specific for the 32-34 kDa alpha chain of human CD8, known as CD8a or CD8 alpha. CD8a can form a homodimer (CD8 alpha-alpha), but is more commonly expressed as a heterodimer with a second chain known as CD8b or CD8 beta. CD8 acts as a co-receptor for antigen recognition and subsequent T cell activation that is initiated upon binding of the T cell receptor (TCR) to antigen-bearing MHC Class I molecules. The cytoplasmic domains of CD8 provide binding sites for the tyrosine kinase lck, facilitating intracellular signaling events that lead to T cell

activation, development, and cytotoxic effector functions. CD8+ cytotoxic T cells (CTLs) play an important role in inducing cell death of tumor cells, as well as cells infected by virus, bacteria or parasites.

### **FITC Anti-Human CD8 (SK1) Antibody - References**

Campanelli R, Palermo B, Garbelli S, Mantovani S, Lucchi P, Necker A, Lantelme E and Giachino C. 2002. *Int Immunol.* 14(1): 39-44. (Flow Cytometry)

Walter S, Herrgen L, Schoor O, Jung G, Wernet D, Buhring H-J, Rammensee H-G and Stevanovic S. 2003. *J. Immunol.* 171(10): 4974-4978. (Flow Cytometry)

Cervasi B, Paiardinin M, Serafini S, Fraternali A, Menotta M, Engram J, Lawson B, Staprans I, Piedimonte G, Perno CF, Silvestri G and Magnani M. 2006. *J. Virol.* 80(21): 10335-10345. (Flow Cytometry - Sooty Mangabeys)

Verstrepen BE, Verschoor EJ, Fagrouch ZC, Mooij P, de Groot NG, Bontrop RE, Bogers WM, Heeney JL and Koopman G. 2014. *PLoS ONE* 9(4): e95103. doi:10.1371/journal.pone.0095103. (Flow Cytometry - Chimpanzee)

Permar SR, Klumpp SA, Mansfield KG, Kim W-K, Gorgone DA, Lifton MA, Williams KC, Schmitz JE, Reimann KA, Axthelm MK, Polack FP, Griffin DE and Letvin NL. 2003. *J. Virol.* 77(7): 4396-4400. (Flow Cytometry - Rhesus)

Ahmed AFK, Ohtani H, Nio M, Fuanki N, Shimaoka S, Nagura H and Ohi R. 2001. *J. Pathol.* 193(3): 383-389. (Immunohistochemistry)

Bukowska-Straková K, Baran J, Gawlicka M and Kowalczyk, D. 2006. *Folia Histochemica et Cytobiologica* 44(3): 179-183.