

Mouse CD8 Antibody | anti-CD8 antibody

Anti-CD8 [G10-1], Mouse IgG2a

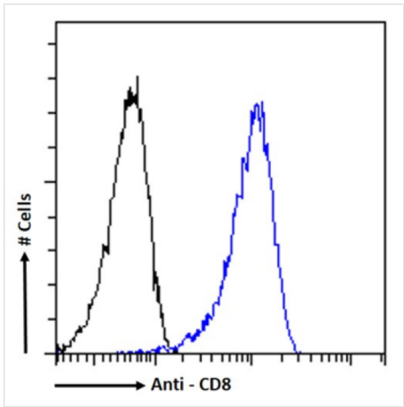
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA72250	Mouse	Human, Macaca nemestrina	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunohistochemistry, Immunofluorescence

PRODUCT SYNONYMS

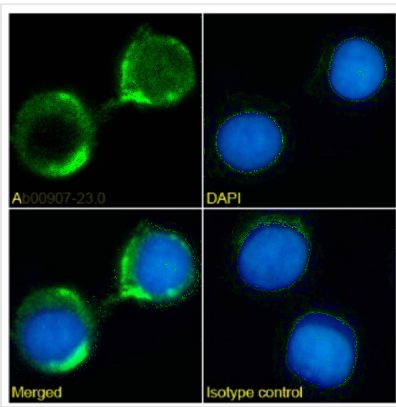
CD8; Anti-CD8 [G10-1]; Mouse IgG2a; cluster of differentiation 8; G10.1; Tp32; anti-CD8 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Macaca nemestrina
Isotype	Mouse IgG2a, Kappa
Clone Number	G10-1
Specificity	This antibody is specific for human CD8, and binds human CD8+ T cells. It also cross-reacts with non-human primate CD8, including that of Macaca nemestrina (Southern pig-tailed macaque).
Purity/Purification	Protein A affinity purified
Form/Format	PBS with 0.02% Proclin 300.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-CD8 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IHC (Immunohistochemistry), IF (Immunofluorescence)
Immunogen	Human CD8.
Origin Pub PMID	8929708
Preparation and Storage	Store at 4 degree C for up to 3 months. For longer storage, aliquot and store at -20 degree C.



FCM/FACS (Flow Cytometry)
Flow cytometry using the Anti-CD8 antibody G10-1 (AAA72250). Paraformaldehyde fixed Jurkat cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody or the rabbit IgG version of G10-1 (AAA72250-23.0, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.



IF (Immunofluorescence)
Immunofluorescence staining of Jurkat cells with anti-CD8 (AAA72250) G10-1. Immunofluorescence analysis of paraformaldehyde fixed Jurkat cells on Shi-fix coverslips stained with the chimeric rabbit IgG version of G10-1 (AAA72250-23.0) at 10 ug/ml for 1h followed by Alexa Fluor 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom AAA72250-23.0, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor 488 secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CD8 antibody	This antibody has been used to stain cells expressing CD8 by indirect immunofluorescence (Uckun et al, 1989) and in immunohistochemical analysis of aortic and iliac artery tissue from nonhuman primates (Masuda & Ross, 1989). It has also been employed in immunoprecipitation and gel electrophoresis experiments to investigate cell surface CD8 complexes (Ledbetter et al, 1985). A FITC-conjugated version of this antibody has been used to identify T cell populations in flow cytometry experiments (Chen et al, 2003). When conjugated to the ribosome-inhibitory protein ricin, this antibody acts as a potent CD8+ T cell-directed immunotoxin (Uckun et al, 1989).
Product Categories/Family for anti-CD8 antibody	CD markers; adaptive immunity; oncology
References	Ledbetter et al. Covalent association between human thymus leukaemia-like antigens and CD8(Tp32) molecules. J Immunol. 1985 Jun;134(6):4250-4 PMID:3921621

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.