

Anti-CD8 [G10-1] Standard Size Ab00907-2.0

Isotype and Format: Mouse IgG2a, Kappa

Clone Number: G10-1

Alternative Name(s) of Target: cluster of differentiation 8; G10.1; Tp32

UniProt Accession Number of Target Protein:

Published Application(s): immunotoxin, IP, FC, IF, IHC

Published Species Reactivity: Macaca nemestrina, Human

Immunogen: Human CD8.

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).

Application Notes: 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).

Antibody First Published in: 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](#)

Note on publication: Describes the use of this antibody in immunoprecipitation and gel electrophoresis experiments

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.