

## Monoclonal Antibody to CD152 / CTLA4 - FITC

<b>Alternate names:</b>	CTLA-4, Cytotoxic T-lymphocyte protein 4, Cytotoxic T-lymphocyte-associated antigen 4
<b>Catalog No.:</b>	AM08060FC-N
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	0.5 mg/ml
<b>Background:</b>	The lymphocyte surface antigen CD152, also known as CTLA-4, is related to the co-stimulatory molecule CD28, and both molecules share common B7 family counter-receptors. (Ref.1-4) However CD152 is thought to be a negative regulator of T cell activation (Ref.1-3) and may play a role in apoptotic control of T cells. CD152 exists as a 69 kDa homodimer (Ref.1), and is relatively conserved among Humans, Mice and Chickens. (Ref.2)
<b>Uniprot ID:</b>	<a href="#">P09793</a>
<b>NCBI:</b>	<a href="#">NP_033973.2</a>
<b>GeneID:</b>	<a href="#">100505288</a>
<b>Host / Isotype:</b>	Hamster / IgG
<b>Clone:</b>	1B8
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative. <b>Label:</b> FITC – Fluorescein Isothiocyanate Isomer 1
<b>Applications:</b>	<b>Flow Cytometry:</b> < / = 3 µg/10e6 cells. (Ref.1,2) Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This Monoclonal antibody is specific to CD152/CTLA-4. <b>Species:</b> Mouse. Other species not tested.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	1. Walunas, T. L., et al. 1994. Immunity 1:405. 2. Perkins, D., et al. 1996. J. Immunol. 156:4154. 3. Leach, D. R., M.K. Krummel and J.P. Allison. 1996. Science 271:1734. 4. Freeman, G. J., et al. 1992. J. Immunol. 149:3795.

Pictures:

**Immunofluorescent Staining:** CHO cells transfected with CD152/CTLA-4 were stained with either Hamster IgG-FITC or Hamster anti-Mouse CD152-FITC, following which large cells were gated and analyzed by flow cytometry. Amount Used:  $< / = 3 \mu\text{g}/10\text{e}6$  cells.

