

**AM31216AF-N****Monoclonal Antibody to CD4 - Azide Free**

<b>Alternate names:</b>	T-cell surface antigen T4/Leu-3, T-cell surface glycoprotein CD4
<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	1.0 mg/ml
<b>Background:</b>	CD4, a single chain transmembrane glycoprotein, is found on a T cell subset (helper/inducer) representing 45 % of peripheral blood lymphocytes. It is also present on 80 % of thymocytes and at a lower level on monocytes. It is involved in recognition of antigen presented along with MHC class II by APCs. It serves as receptor for HIV.
<b>Uniprot ID:</b>	<a href="#">P01730</a>
<b>NCBI:</b>	<a href="#">NP_000607</a>
<b>GeneID:</b>	<a href="#">920</a>
<b>Host / Isotype:</b>	Mouse / IgG2a
<b>Clone:</b>	B-A1
<b>Immunogen:</b>	Human thymocytes and jurkat cell lines. <b>Hybridoma:</b> Myeloma X63/AG.8653 x Balb/c spleen cells.
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction <b>Purification:</b> Ion Exchange Chromatography <b>Buffer System:</b> Phosphate-buffered saline. Sterile-filtered through 0.22 µm and treated to remove endotoxins. Carrier and preservative free
<b>Applications:</b>	<b>Flow Cytometry.</b> <b>Immunohistochemistry:</b> 1/50. <b>Functional Assay:</b> Inhibits Mixed Lymphocyte Culture. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	This antibody recognizes a 55 kDa protein. <b>Species:</b> Human. Other species not tested.
<b>Add. Information:</b>	<b>Kd:</b> 0.142 nM
<b>Storage:</b>	Store the antibody undiluted at 2-8°C. Shelf life: one year from despatch.

**Pictures:**

A typical staining pattern with the B-A1 monoclonal antibody of lymphocytes

