



## Mouse monoclonal antibody to CD4 [CA-4]: IgG

<b>Catalogue No.:</b>	M-1165-100
<b>Description:</b>	CD4 is a single-pass type I membrane protein expressed on the surface of T helper/inducer cells, regulatory T cells, monocytes, macrophages, dendritic cells and microglia.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	CD4 transfected mouse T-cell hybridoma 3DT followed by CD4+ human T-cell CEM cell line
<b>Clone:</b>	CA-4
<b>Other Names:</b>	T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; W3/25 antigen; CD4mut;
<b>Accession:</b>	P01730 CD4_HUMAN; P05540 CD4_RAT;
<b>Produced in:</b>	Mouse
<b>Purity:</b>	IgG
<b>Applications:</b>	Immunohistochemistry (IHC-Frozen). A concentration of 1.0 ug/mL is recommended to detect CD4 in formalin/acetone fixed tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by immunohistochemistry against the antigen.
<b>Cross-reactivity:</b>	Human; rat;
<b>Form:</b>	Liquid (0.5ml). 50% glycerol, 0.9mg NaCl and 0.2mg Na <sub>2</sub> HPO <sub>4</sub>
<b>Reconstitution:</b>	The liquid formulation should be diluted in PBS (pH 7.4)
<b>Storage:</b>	After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
<b>Expiry Date:</b>	12 months after purchase
<b>References:</b>	<ol style="list-style-type: none"><li>1. Almolda B. et al. CD4 microglial expression correlates with spontaneous clinical improvement in the acute Lewis rat EAE model. J Neuroimmunol. 2009 Apr 30;209(1-2):65-80.</li><li>2. Jordan C.A. et al. Infection of brain microglial cells by human immunodeficiency virus type 1 is CD4 dependent. J Virol. 1991 Feb;65(2):736-42.</li></ol>

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