

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

Catalogue No.:	M-1165-100
Description:	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.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	CD4 transfected mouse T-cell hybridoma 3DT followed by CD4+ human T-cell CEM cell line
Clone:	CA-4
Other Names:	T-cell surface glycoprotein CD4; T-cell surface antigen T4/Leu-3; W3/25 antigen; CD4mut;
Accession:	P01730 CD4_HUMAN; P05540 CD4_RAT;
Produced in:	Mouse
Purity:	IgG
Applications:	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.
Specificity:	The specificity of this antibody has been confirmed by immunohistochemistry against the antigen.
Cross-reactivity:	Human; rat;
Form:	Liquid (0.5ml). 50% glycerol, 0.9mg NaCl and 0.2mg Na ₂ HPO ₄
Reconstitution:	The liquid formulation should be diluted in PBS (pH 7.4)
Storage:	After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles.
Expiry Date:	12 months after purchase
References:	<ol style="list-style-type: none">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):65-80.2. 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.

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