



ELK Biotechnology

CD4 Mouse mAb

Catalog NO.: EM1070

For research use only.

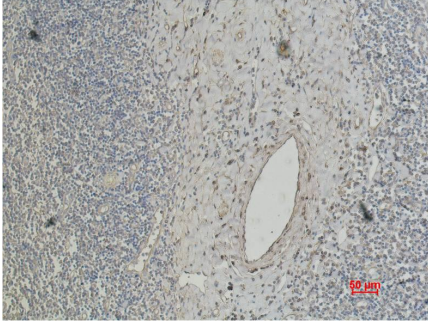
Overview

Product name	CD4 Mouse Monoclonal antibody
Source	Mouse
Applications	IHC
Species reactivity	Human Rat Mouse
Recommended dilutions	Immunohistochemistry:1/100-200 NOTE: Optimal dilutions should be determined by the end user.
Immunogen	Synthetic Peptide
Species	Human
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20° C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1 mg/ml
Observed band	N/A
GeneID (Human)	920
Human Swiss-Prot No.	P01730
Cellular localization	Cell membrane
Alternative Names	CD4 molecule CD4mut

Background

In molecular biology CD4 (cluster of differentiation 4) is a glycoprotein found on the surface of immune cells such as T helper cells monocytes macrophages and dendritic cells. It was discovered in the late 90s and was originally known as leu-3 and T4 (after the OKT4 monoclonal antibody that reacted with it) before being named CD4 in 1984. In humans the CD4 protein is encoded by the CD4 gene. Galectin 3 is one of the more extensively studied members of this family and is a 30 kDa protein. Due to a C-terminal carbohydrate binding site Galectin 3 is capable of binding IgE and

mammalian cell surfaces only when homodimerized or homooligomerized. Galectin 3 is normally distributed in epithelia of many organs in various inflammatory cells including macrophages as well as dendritic cells and Kupffer cells. The expression of this lectin is up-regulated during inflammation cell proliferation cell differentiation and through trans-activation by viral proteins.



Immunohistochemical analysis of paraffin-embedded Human Tonsil Carcinoma using CD4 (EM1070) Mouse mAb diluted at:200.