

## CD 4

**Cat.No. HS-360 017; Monoclonal rat antibody, 200 µl purified IgG (lyophilized)**

### Data Sheet

Reconstitution/ Storage	200 µl purified IgG, lyophilized. Albumin and azide were added for stabilization. For reconstitution add 200 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>IHC-P/FFPE:</b> 1 : 100
Clone	GHH4/114B4
Subtype	IgG2b
Immunogen	Recombinant protein corresponding to AA 27 to 394 from mouse CD4 (UniProt Id: P06332)
Reactivity	Reacts with: mouse (P06332). Other species not tested yet.
Specificity	Specific for CD 4

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

**CD 4** (cluster of differentiation **4**) is a glycoprotein found on the surface of immune cells such as T helper cells, monocytes, macrophages, and dendritic cells.  
CD 4 is a co-receptor that assists the T cell receptor (TCR) in communicating with an antigen-presenting cell.

### Selected General References

A gene-rich cluster between the CD4 and triosephosphate isomerase genes at human chromosome 12p13.  
Ansari-Lari MA, Muzny DM, Lu J, Lu F, Lilley CE, Spanos S, Malley T, Gibbs RA  
Genome research (1996) 6(4): 314-26.

Crystal structure of domains 3 and 4 of rat CD4: relation to the NH<sub>2</sub>-terminal domains.  
Brady RL, Dodson EJ, Dodson GG, Lange G, Davis SJ, Williams AF, Barclay AN  
Science (New York, N.Y.) (1993) 260(5110): 979-83.

CD4 and CD8 subsets defined by dual-color cytofluorometry which distinguish symptomatic from asymptomatic blood donors seropositive for human immunodeficiency virus.  
Prince HE, Arens L, Kleinman SH  
Diagnostic and clinical immunology (1987) 5(4): 188-93.

Function of the CD4 and CD8 molecules on human cytotoxic T lymphocytes: regulation of T cell triggering.  
Fleischer B, Schrezenmeier H, Wagner H  
Journal of immunology (Baltimore, Md. : 1950) (1986) 136(5): 1625-8.