

## **Product Datasheet**

## **CD4 Polyclonal Antibody GRP283**

Description

Integral membrane glycoprotein that plays an essential role in the immune response and serves multiple functions in responses against both external and internal offenses. In T-cells, functions primarily as a coreceptor for MHC class II molecule:peptide complex. The antigens presented by class II peptides are derived from extracellular proteins while class I peptides are derived from cytosolic proteins. Interacts simultaneously with the T-cell receptor (TCR) and the MHC class II presented by antigen presenting cells (APCs). In turn, recruits the Src kinase LCK to the vicinity of the TCR-CD3 complex. LCK then initiates different intracellular signaling pathways by phosphorylating various substrates ultimately leading to lymphokine production, motility, adhesion and activation of T-helper cells. In other cells such as macrophages or NK cells, plays a role in differentiation/activation, cytokine expression and cell migration in a TCR/LCK-independent pathway. Participates in the development of T-helper cells in the thymus and triggers the differentiation of monocytes into functional mature macrophages.

Species/Host	Rabbit	and the second second
Reactivity	Human, Mouse, Rat	and the second
Conjugation	Unconjugated	1 and
Tested Applications	FC, IHC-P, WB	WB of C
Immunogen	KLH conjugated synthetic peptide derived from Human CD4 (cytoplasmic domain) (public_immunogen_range: 419-457/458)	KD 150 100 75
Form/Appearance	Aqueous buffered solution containing 1% BSA, 50% glycerol and 0.09% sodium azide.	50 — <b>1</b>
Concentration	1ug/ul	26 — 20 — 15 — 1
Storage	Store at -20°C for 12 months.	IHC-P of
Note	For research use only.	
Isotype	lgG	
Clonality	Polyclonal	
Purity	Purified by Protein A.	
Uniprot ID	P05540	
Entrez	24932	
Dilution Range	WB: 1:300-1000, FC: 1:20-100, IHC-P: 1:200-400	





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