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CD4 Polyclonal Antibody

Cat #: ABP50910 Size: 30μl /100μl /200μl

Product Information

	Product Name: CD4 Polyclonal Antibody		
	Applications: WB, IHC-P, IF, ELISA		**Isotype:** Rabbit IgG
	Reactivity: Human, Mouse		
REF	**Catalog Number:** ABP50910	LOT	**Lot Number:** Refer to product label
	Formulation: Liquid		**Concentration:** 1 mg/ml
	Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.		**Note:** Contain sodium azide.

Background: CD4 encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigenes and is also a receptor for the human immunodeficiency virus. CD4 is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. CD4 molecule functions to initiate or augment the early phase of T-cell activation, and may function as an important mediator of indirect neuronal damage in infectious and immune-mediated diseases of the central nervous system. Multiple alternatively spliced transcript variants encoding different isoforms have been identified in CD4.

Application Notes: Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IHC-P (1:100-1:300), IF (1:200-1:1000), ELISA (1:5000). Not yet tested in other applications.

Storage Buffer: PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

Storage Instructions: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

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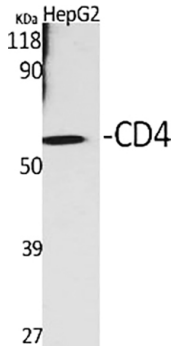
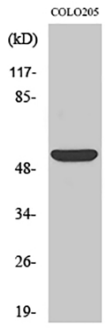
	Fig.1. Western Blot analysis of various cells using CD4 Polyclonal Antibody diluted at 1:500.
	Fig.2. Western Blot analysis of COLO205 cells using CD4 Polyclonal Antibody diluted at 1:500.

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