

**MABN86658 CD4 Rabbit Monoclonal Antibody**

Size:	100 ug
Concentration:	1mg/ml
Clone:	IS-05
Source:	Rabbit
Isotype:	IgG
Purification:	Affinity purification
Cross-Reactivity:	Human
Synonyms:	CD4mut

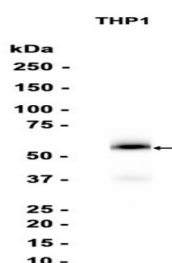
Background: This gene encodes a membrane glycoprotein of T lymphocytes that interacts with major histocompatibility complex class II antigens and is also a receptor for the human immunodeficiency virus. This gene is expressed not only in T lymphocytes, but also in B cells, macrophages, and granulocytes. It is also expressed in specific regions of the brain. The protein 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 this gene.

Molecular Weight: 51 kDa

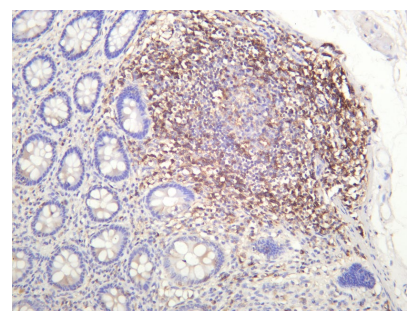
Applications:
Western Blot: 1:1000-1:5000
Immunohistochemistry (paraffin-embedded tissues): 1:200-1:500
Immunocytochemistry: 1:100-1:200
Immunofluorescence: 1:100-1:200
Flow Cytometry: 1:50- 1:200

Buffer: Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt

Storage: Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.



Western blot analysis of extracts from THP-1 cells using CD4 at 1:1000.



Immunohistochemical analysis of human colon stained with anti-CD4 rabbit antibody

Antibody retrieval protocol for Immunohistochemistry (paraffin-embedded tissues):

Antigen retrieval solution: EDTA, pH 9.0;

2 optional retrieval methods:

- ① Heat retrieval for 20-30 minutes;
- ② High-pressure retrieval, 2-3 minutes after steam generation.

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