

## Anti-CD4 Antibody [EDU-2] (A250514)

### Specifications:

Name:	Anti-CD4 Antibody [EDU-2]
Description:	Mouse monoclonal [EDU-2] antibody to CD4.
Specificity:	This antibody recognizes a protein of 55kDa, identified as CD4. It is 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 protein 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. This MAb was characterized as human CD4 antibody at II and IV International Workshop on Human Leukocyte Differentiation Antigens.
Applications:	Functional Studies, Flow Cytometry, IF
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml
Reactivity:	Human, Chimpanzee, Orangutan, Macaca artctoids
Cross Reactivity:	This antibody does not cross react with Macaca mulatta (Rhesus Monkey).
Immunogen:	Stimulated human leukocytes.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	EDU-2
Isotype:	IgG2a
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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### Specifications continued:

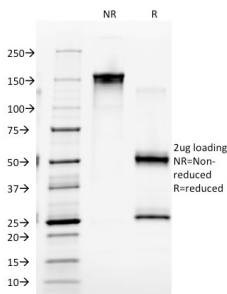
#### General Notes:

This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-CD4 Antibody [EDU-2] - BSA and Azide free (A253694).

#### Disclaimer:

This product is for research use only. It is not intended for diagnostic or therapeutic use.

### Images:



SDS-PAGE analysis of Anti-CD4 Antibody [EDU-2] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.