

## Product datasheet for **AM26053PU-N**

### CD4 Mouse Monoclonal Antibody [Clone ID: EDU-2]

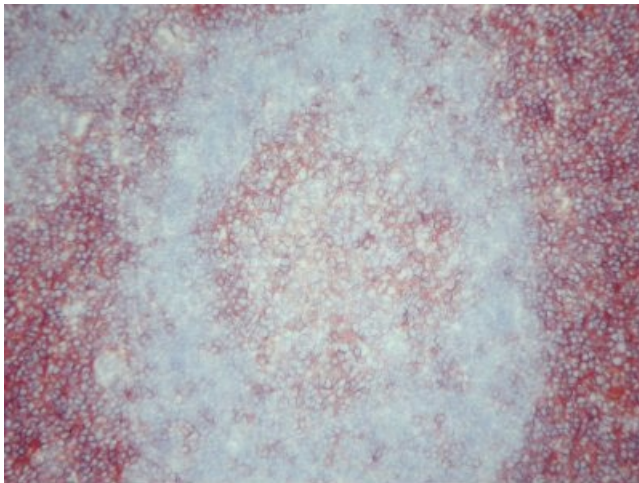
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	EDU-2
Applications:	FC, IHC
Recommended Dilution:	Immunohistochemistry on frozen sections: 0.2 µg/ml (1:1000). Has been described to work in FACS. Suggested positive control: Human tonsil.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Stimulated human leukocytes
Specificity:	This antibody detects CD4.
Formulation:	Stock solution contains 0.2 mg/ml IgG, phosphate buffered saline pH 7.2 (PBS), 5 mg/ml bovine serum albumin (BSA), and 0.09% sodium azide as a preservative. State: Aff - Purified State: Lyophilized Ig fraction Label: Reconstitute by adding 0.5ml distilled water.
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C. Following reconstitution store (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD4 molecule
Database Link:	<a href="#">Entrez Gene 920 Human P01730</a>


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<b>Background:</b>	CD4 is a glycoprotein expressed on the surface of T helper cells, regulatory T cells, monocytes, macrophages, and dendritic cells. It is mainly expressed by the T lymphocyte subset that recognizes antigens associated with self MHC class II molecules. CD4 is the primary receptor for HIV retroviruses. Like many cell surface markers, it is a member of the immunoglobulin superfamily.
<b>Synonyms:</b>	T-cell surface antigen T4/Leu-3
<b>Note:</b>	<p>The antigen is CD4, a 55kD glycoprotein (reduced and nonreduced). The epitope has not been further characterized.</p> <p>Antigen distribution:</p> <p>Isolated cells: the antibody stains approximately 20-60% of human peripheral blood mononuclear cells in flow cytometry.</p>
<b>Protein Families:</b>	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Induced pluripotent stem cells, Transmembrane
<b>Protein Pathways:</b>	Antigen processing and presentation, Cell adhesion molecules (CAMs), Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway

### Product images:



Immunohistochemistry on frozen sections:  
Staining with AM26053PU-N on human tonsil