

Product datasheet for **AM26178PU-N**

Cd4 Mouse Monoclonal Antibody [Clone ID: 15-8A2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	15-8A2
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on frozen sections (starting working dilution is 1:100). Flow cytometry (starting working dilution is 1:10).
Reactivity:	Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	WAG/Rij spleen cells
Specificity:	This antibody recognizes rat CD4 antigen (MW 52 kDa) and is reactive with all common inbred strains.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% BSA Preservative: 0.01% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	Cd4 molecule
Database Link:	Entrez Gene 24932 Rat P05540



[View online »](#)

Background:

CD4 is a member of the immunoglobulin superfamily and is implicated as associative recognition element in MHC (Major Histocompatibility Complex) class II-restricted immune response. On T-lymphocytes, it defines the helper/inducer subset. The mature 55 kd CD4 protein consists of a 372 amino acid extracellular segment composed of four tandem immunoglobulin-like VJ regions. The CD4 molecule is a major receptor for human immunodeficiency virus (HIV), binding directly to the envelope glycoprotein gp120 on HIV, with the co-receptors being CCR5 or CXCR4. It has been shown that the V-like domains are critical for binding with HIV envelope gp120.

Synonyms:

T-cell surface antigen T4/Leu-3