

## Product datasheet for **AM08115PU-N**

### CD4 Mouse Monoclonal Antibody [Clone ID: CT-4]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	CT-4
Applications:	FC, FN, IHC, IP
Recommended Dilution:	<b>Flow Cytometry.</b> (Ref.1) <b>Immunohistochemistry</b> (Acetone-Fixed, Frozen Tissue Sections only). (Ref.2) <b>Immunoprecipitation.</b> (Ref.1) <b>Inhibition of mitogen-induced proliferation.</b> (Ref.1)
Reactivity:	Chicken
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	Specific to CD4 (Mr. 64 kDa) This antibody inhibits both PHA- and Con A-induced proliferative responses of splenocytes, and PWM-induced IL-2 production.
Formulation:	100 mM Borate Buffered Saline, pH 8.2. No preservatives or amine-containing buffer salts added. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Database Link:	<a href="#">Q6Q4G0</a>
Background:	CD4 is a single chain transmembrane glycoprotein (59 kDa) which belongs to the immunoglobulin superfamily. CD4 is present on a subset of T lymphocytes ("helper/inducer" T cells) and is also expressed at a lower level on monocytes, tissue macrophages and granulocytes. The antigen is involved in binding to MHC class II molecules. The intracellular domain of the antigen is associated with p56lck protein tyrosine kinase.



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**Synonyms:** T-cell surface antigen T4/Leu-3