

Product datasheet for **AM05638PU-T**

Cd4 Rat Monoclonal Antibody [Clone ID: RM4-5]

Product data:

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|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | RM4-5 |
| Applications: | FC, IHC |
| Recommended Dilution: | Flow Cytometry. Immunohistochemistry on Frozen Sections. |
| Reactivity: | Mouse |
| Host: | Rat |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | BALB/c mouse thymocytes |
| Specificity: | This antibody <i>RM4-5</i> detects CD4, a 55 kD protein also known as Ly-4 and L3T4. The <i>RM4-5</i> antibody is useful for <i>in vitro</i> blocking of ligand binding, as well as <i>in vitro</i> CD4+ T cell depletions. |
| Formulation: | PBS, pH 7.2 State: Purified State: Liquid purified IgG fraction from tissue culture supernatant Preservative: 0.09% Sodium Azide |
| Concentration: | lot specific |
| Purification: | Affinity Chromatography on Protein G |
| Conjugation: | Unconjugated |
| Storage: | Store 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. |
| Gene Name: | CD4 antigen |
| Database Link: | Entrez Gene 12504 Mouse P06332 |



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- Background:** CD4 is a single chain transmembraneous glycoprotein which belongs to the immunoglobulin superfamily, and is primarily expressed on peripheral blood monocytes and tissue macrophages. CD4 is also expressed on a subpopulation of regulatory T cells (CD4+CD25+), which play a key role in the maintenance of self tolerance.
- Synonyms:** T-cell surface antigen T4/Leu-3