

Product datasheet for **AM08025RP-S**

Cd2 Rat Monoclonal Antibody [Clone ID: 12-15]

Product data:

Product Type:	Primary Antibodies
Clone Name:	12-15
Applications:	FC
Recommended Dilution:	Flow Cytometry < / = 0.5 µg/10e6 cells. (Ref.1-3)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody is specific to CD2/LFA-2 (Mr 45-58 kDa)
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: PE State: Liquid purified Ig fraction. Label: R-Phycoerythrin
Concentration:	lot specific
Conjugation:	PE
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE! This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD2 antigen
Database Link:	<u>Entrez Gene 12481 Mouse P08920</u>



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Background:

CD2, also known as leukocyte function-associated antigen-2 (LFA-2), is a member of the immunoglobulin superfamily of cell adhesion molecules. (Ref.1) It is expressed on the surface of >95% of thymocytes, and essentially all B cells, T cells and NK cells. (Ref.1-3) In the mouse, CD2 is the receptor for CD48. (Ref.4) CD2 is thought to play a major role in mediating T-cell adhesion, T-cell recognition/activation, T-cell signaling and intrathymic differentiation. (Ref.5-10)

Synonyms:

SRBC, Erythrocyte receptor, LFA-2, LFA-3 receptor, Rosette receptor