

**ARG62403**  
**anti-CD2 antibody [B336 (HuLy-m1)]**Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [B336 (HuLy-m1)] recognizes CD2
Tested Reactivity	Hu
Tested Application	FACS, IHC-Fr
Specificity	Reacts with the majority of T-cells in peripheral lymphoid tissue, cortical thymocytes, and most T-cell neoplasms. Also reacts with the E-rosette receptor on T-cells.
Host	Mouse
Clonality	Monoclonal
Clone	B336 (HuLy-m1)
Isotype	IgG2b
Target Name	CD2
Species	Human
Immunogen	Human thymocytes (3 pooled donors)
Conjugation	Un-conjugated
Alternate Names	T-cell surface antigen T11/Leu-5; LFA-3 receptor; T-cell surface antigen CD2; SRBC; Erythrocyte receptor; CD antigen CD2; T11; Rosette receptor; LFA-2

### Application Instructions

Application Note	FACS: 1-5 mg/106 cells. IHC-Fr: 10-20 µg/mL. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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### Properties

Form	Liquid
Buffer	1X PBS buffer with < 0.1% sodium azide.
Preservative	< 0.1% sodium azide.
Concentration	2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

### Bioinformation

Database links	<a href="#">GeneID: 914 Human</a> <a href="#">Swiss-port # P06729 Human</a>
Gene Symbol	CD2
Gene Full Name	CD2 molecule
Background	CD2 is a 50 kDa single-chain type I transmembrane glycoprotein, originally defined as the sheep erythrocyte receptor. CD2 is one of the earliest T-cell lineage-restricted antigens to appear during T-cell differentiation, and it is expressed on most thymocytes, peripheral T cells and NK cells. Originally identified as a sheep RBC receptor, functions as a CD58 receptor and mediates activation of T-cells, NK cells and dendritic cells.
Function	CD2 interacts with lymphocyte function-associated antigen (LFA-3) and CD48/BCM1 to mediate adhesion between T-cells and other cell types. CD2 is implicated in the triggering of T-cells, the cytoplasmic domain is implicated in the signaling function. [UniProt]
Research Area	Developmental Biology antibody; Immune System antibody
Calculated Mw	39 kDa