

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	GeneID: 914 Human Swiss-port # P06729 Human
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