

Product Data Sheet

Biotin anti-human CD2

Catalog # / Size: 309204 / 100 µg

Clone: TS1/8

Isotype: Mouse IgG1, κ

Workshop Number: V S025

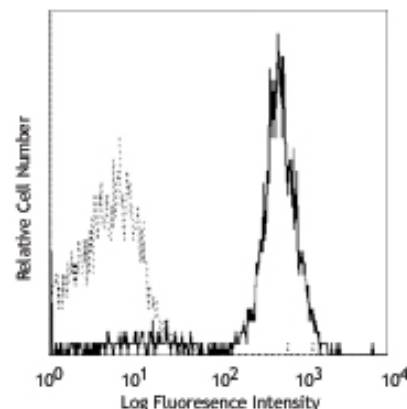
Reactivity: Human

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions. The solution is free of unconjugated biotin.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Storage: The antibody solution should be stored undiluted at 4°C. **Do not freeze.**



Human peripheral blood lymphocytes stained with biotinylated TS1/8 and detected with Sav-PE

Applications:

Applications: FC - Quality tested

Recommended Usage: Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is ≤0.25 µg per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application.

Application Notes: Additional reported applications (for the relevant formats) include: blocking of T cell activation, and partial blocking of B cell costimulation². The LEAF™ purified antibody (Endotoxin <0.1 EU/µg, Azide-Free, 0.2 µm filtered) is recommended for functional assays (Cat. No. 309212).

Application References: 1. Schlossman S, et al. Eds. 1995. Leucocyte Typing V Oxford University Press. New York.
 2. Hughes CCW, et al. 1996. *J. Biol. Chem.* 271:5369.

Description: CD2 is a 50 kD type I transmembrane glycoprotein also known as LFA-2, T11, and sheep red blood cell receptor (SRBC-R). This immunoglobulin superfamily member is expressed on thymocytes, T lymphocytes, NK cells, and thymic B cell subsets. The major ligand for CD2 is CD58 (also known as LFA-3). CD2 has also been reported to bind CD48, CD59, and CD15. CD2 plays a critical role in alternative T cell activation, T cell signaling, and cell-cell adhesion.

Antigen References: 1. Bell G, et al. 1995. *J. Immunol.* 155:2805.
 2. Bierer B, et al. 1989. *Annu. Rev. Immunol.* 7:579.
 3. Moingeon P, et al. 1989. *Immunol. Rev.* 111:111.

Related Products:

Product
 Biotin anti-human CD3
 Biotin anti-human CD2
 Biotin anti-human CD3
 Biotin Mouse IgG1, κ Isotype Ctrl
 PE Streptavidin
 PE/Cy5 Streptavidin
 Cell Staining Buffer
 RBC Lysis Buffer (10X)
 Human TruStain FcX™ (Fc Receptor Blocking Solution)

Clone
 HIT3a
 RPA-2.10
 UCHT1
 MOPC-21

Application
 FC
 FC
 FC
 FC, ICFC
 FC, ICFC
 FC, ICFC
 FC, ICC, ICFC
 FC, ICFC
 FC, ICC, ICFC



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