Antibodies

Rat monoclonal IgM antibody against mouse CD43, biotin-conjugated

Catalog #600428T
#600428T.1

500 μg  0.5 mg/mL
100 μg  0.5 mg/mL

Product Description

The R2/60 antibody reacts with mouse CD43, a type I transmembrane sialoglycoprotein expressed on the surface of most hematopoietic cells including thymocytes, T cells, B cells, NK cells, monocytes, granulocytes, platelets, and hematopoietic progenitor cells. CD43 binds ligands such as CD54 and CD169 (siglec-1) and plays regulatory roles in cell adhesion, activation, and survival. CD43 exhibits two different glycoforms; a 115 kDa form, and an activation-associated 130 kDa form, both of which are detected by the R2/60 antibody.

Target Antigen Name: CD43
Alternative Names: Galactoglycoprotein, Galgp, GPL 115, LEUK, Leukocyte sialoglycoprotein, Leukosialin, LSN, Ly-48, Ly48, Sialophorin, SPN
Gene ID: 20737
Species Reactivity: Mouse
Host Species: Rat
Clonality: Monoclonal
Clone: R2/60
Isotype: IgM, kappa
Immunogen: Mouse intestinal epithelial lymphocytes
Conjugate: Biotin

Applications

Verified: CellSep, FC
Reported: FA, FC, WB

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation: Aqueous buffer containing 0.09% sodium azide, may contain carrier protein/stabilizer
Purification: The antibody was purified by column chromatography.
Stability and Storage: Product stable at 2 - 8°C when stored undiluted. Do not freeze. For product expiry date, please contact techsupport@stemcell.com.
Directions for Use: For flow cytometry the suggested use of this antibody is ≤ 0.5 μg per 1 x 10^6 cells in 100 μL volume. It is recommended that the antibody be titrated for optimal performance for each application.
Data

Flow cytometry analysis of C57BL/6 mouse splenocytes labeled with Anti-Mouse CD43 Antibody, Clone R2/60, Biotin, followed by streptavidin (SAV) APC (filled histogram), or a biotin-conjugated rat IgM isotype control antibody, followed by SAV APC (solid line histogram).

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References