OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA320466

Spn Rat Monoclonal Antibody [Clone ID: eBioR2/60]

Product data:

Product Type:	Primary Antibodies
Clone Name:	eBioR2/60
Applications:	FC
Recommended Dilution:	Flow, IP, WB
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	sialophorin
Database Link:	NP_033285 Entrez Gene 20737 Mouse P15702
Background:	The eBioR2/60 monoclonal antibody reacts with mouse CD43, also known as leukosialin and sialophorin. CD43 has glycoforms of approximately 115 and 130 kDa, and is expressed by an early B cell subset in BM, thymocytes and mature T cells, NK cells, myeloid lineage cells and platelets. CD43 is reported to bind to CD54 and play a role in adhesion and B cell survival. While the S7 and 1B11 monoclonal antibody clones detect only certain isoforms of CD43, data suggests that R2/60 detects the expression of both isoforms. It has been demonstrated that R2/60 stains the majority of CD4+ and CD8+ splenocytes, as well as a significant population of CD19+ splenocytes. However, the clones S7 and 1B11 stain only CD4+ and CD8+, or CD19+ splenocytes, respectively. This suggests that S7 and 1B11 recognize distinct epitopes which are differentially expressed by splenic B and T cells, whereas R2/60 recognizes an epitope shared by both isoforms of CD43.

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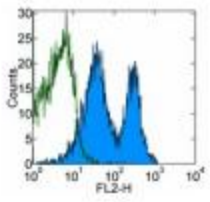
Synonyms: CD43; Galactoglycoprotein; GALGP; GPL115; leukosialin; LSN; Sialophorin

Product images:



Staining of C57Bl/6 splenocytes with 0.25 ug of Rat IgM Isotype Control Purified (open histogram) or 0.25 ug of Anti-Mouse CD43 Purified (filled histogram) followed by Anti-Rat IgM PE. Cells in the lymphocyte gate were used for analysis.