



Anti-SPN monoclonal antibody, clone W3/13 (CABT-46077MR)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview

Mouse anti Rat CD43 antibody, clone W3/13 recognizes the rat CD43 cell surface antigen, also known as leukosialin, sialophorin or W3/13 antigen. CD43 is a 371 amino acid ~95 kDa heavily glycosylated single pass type 1 transmembrane glycoprotein expressed by all leucocytes with the exception of B lymphocytes. CD43, in mice acts as a T-cell counter-receptor for CD169 (Siglec-1) suggesting a role in cell-cell interactions. Mouse anti Rat CD43 antibody, clone W3/13 is routinely tested in flow cytometry on rat splenocytes. Flow Cytometry Use 10ul of the suggested working dilution to label 106 cells in 100ul.

Specificity	SPN
Immunogen	Rat thymocyte membrane glycoproteins
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Rat
Clone	W3/13
Conjugate	Unconjugated
Applications	IHC-Fr; FC; IHC-P
Format	Purified IgG - liquid
Size	100 µg
Preservative	See individual product datasheet
Storage	in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may

denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

GENE INFORMATION

Gene Name	Spn sialophorin [Rattus norvegicus (Norway rat)]
Official Symbol	SPN
Synonyms	SPN; sialophorin; Lsn; Cd43; Lsn1; gpL115; leukosialin; W3/13 antigen; leukocyte sialoglycoprotein; leukosianin;
Entrez Gene ID	24796
Protein Refseq	NP_001258015
UniProt ID	P13838
Chromosome Location	1q36
Pathway	Basigin interactions; Cell adhesion molecules (CAMs); Cell surface interactions at the vascular wall; Epstein-Barr virus infection; Hemostasis;
Function	protein domain specific binding;