



# Mouse Anti-Human CD43 Monoclonal Antibody, clone MEM-59 (CABT-Z604M)

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

## PRODUCT INFORMATION

<b>Specificity</b>	The antibody MEM-59 recognizes neuraminidase-sensitive epitope on CD43 (Leukosialin).
<b>Immunogen</b>	Human CD43
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	MEM-59
<b>Purification</b>	Protein A purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	FA
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	100 µg
<b>Buffer</b>	PBS (sterile), pH 7.2.
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C. Avoid freeze and thaw cycles.
<b>Ship</b>	Wet ice

# BACKGROUND

## Introduction

CD43 (leukosialin, sialophorin) is a transmembrane mucin-like protein with high negative charge, expressed on the surface of most hematopoietic cells. CD43 contributes to a repulsive barrier that interferes with cellular adhesion, however, in certain cases also promotes leukocyte aggregation. By interaction with actinbinding proteins ezrin and moesin CD43 plays a regulatory role in remodeling T-cell morphology and regulates cell-cell interactions during lymphocyte traffic. CD43 signaling both enhances LFA-1 adhesiveness and counteracts LFA-1 induction via other receptors. Expression of CD43 causes induction of functionally active tumour suppressor p53 protein, but in case of p53 and ARF deficiency CD43 promotes tumour proliferation and viability. It appears to be an important modulator of leukocyte functions.

## Keywords

SPN;sialophorin;LSN;CD43;GALGP;GPL115

# GENE INFORMATION

Gene Name SPN

Entrez Gene ID [6693](#)

UniProt ID [P16150](#)