

## 30-1600: Anti-CD43 / Leukosialin Monoclonal Antibody (Clone:MEM-59)-Low Endotoxin

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	MEM-59
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Gene :</b>	SPN
<b>Gene ID :</b>	6693
<b>Uniprot ID :</b>	P16150
<b>Format :</b>	Low Endotoxin
<b>Alternative Name :</b>	SPN,CD43
<b>Isotype :</b>	Mouse IgG1
<b>Immunogen Information :</b>	Human T lymphocytes.

### Description

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 actin-binding 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.

### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

### Application Note

Functional application: The antibody MEM-59 activates T lymphocytes and also induces apoptosis in hemopoietic progenitor cells. <br>Flow cytometry: Recommended dilution: 1-5 µg/ml. <br>Immunohistochemistry (paraffin sections): Positive tissue: spleen, thymus, tonsil; recommended dilution: 10 µg/ml.

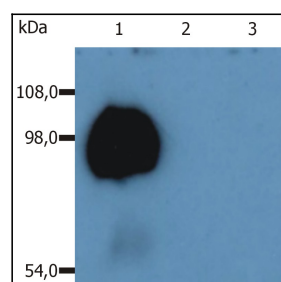


Figure 1: Western Blotting analysis (non-reducing conditions) of isolated peripheral blood lymphocytes of various species using anti-human CD43 (MEM-59). Lane 1: lysate of human PBL. Lane 2: lysate of canine PBL. Lane 3: lysate of porcine PBL

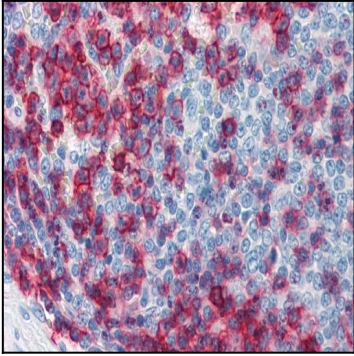


Figure 2: Immunohistochemistry staining of human spleen (paraffin sections) using anti-CD43 (MEM-59).