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30-1125: Anti-CD43 / Leukosialin Monoclonal Antibody (Clone:MEM-59)

Clonality :	Monoclonal
Clone Name :	MEM-59
Application :	FACS
Reactivity :	Human
Gene :	SPN
Gene ID :	6693
Uniprot ID :	P16150
Format :	Purified
Alternative Name :	SPN,CD43
Isotype :	Mouse IgG1
Immunogen Information :	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 defficiency CD43 promotes tumour proliferation and viability. It appears to be an important modulator of leukocyte functions.

Product Info

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

Application Note

Flow cytometry: Recommended dilution: 1-5 µg/ml.
Immunohistochemistry (paraffin sections): Positive tissue: spleen, thymus, tonsil; recommended dilution: 10 µg/ml.

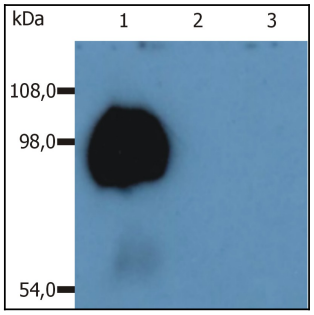


Figure 1: Western Blotting analysis (non-reducing conditions) of isolated peripheral blood lymphocytes of various species using anti-human CD43 (MEM-59). Lane 1: lysate of human PBL. Lane 2: lysate of canine PBL. Lane 3: lysate of porcine PBL

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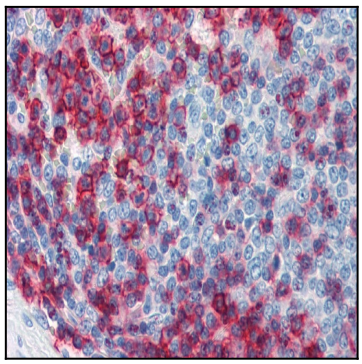


Figure 2: Immunohistochemistry staining of human spleen (paraffin sections) using anti-CD43 (MEM-59).

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