

30-1007: Anti-CD53 Monoclonal Antibody (Clone:MEM-53)-Azide free(Discontinued)

Clonality :	Monoclonal
Clone Name :	MEM-53
Application :	FACS, IP, WB, IHC-Fr, Functional Assay
Reactivity :	Human
Gene :	CD53
Gene ID :	963
Uniprot ID :	P19397
Format :	Azide free
Alternative Name :	CD53,MOX44,TSPAN25
Isotype :	Mouse IgG1
Immunogen Information :	Leukocytes of patient suffering from a LGL-type leukemia.

Description

CD53 is a tetraspanin family transmembrane glycoprotein expressed in the lymphoid-myeloid lineage. This molecule has been reported to form complexes with other leukocyte surface proteins such as CD2, CD19, CD21, MHC II, VLA-4 or tetraspanins CD37, CD81 and CD82, thus probably modulating various signaling processes. CD53 is involved in radioresistance of tumour cells and its triggering has anti-apoptotic effect. In thymus, CD53 is up-regulated in response to positive selection signals during T cell development, and is strongly expressed upon macrophage exposure to bacterial lipopolysaccharide, whereas stimulation of neutrophils results in down-regulation of CD53 expression.

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:* 4 Åµg/ml

Immunoprecipitation Western Blotting Immunohistochemistry (frozen sections) It is suitable for discrimination of lymphomas from other tumors. **Functional Application** The antibody MEM-53 induces activation of monocytes and B lymphocytes.