

Product datasheet MON1131

**MONOSAN**<sup>®</sup>

Mouse anti-CD53, clone MEM-53 (Monoclonal)

Clone no. MEM-53

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Product name	Mouse anti-CD53, clone MEM-53 (Monoclonal)
Host	Mouse
Applications	FC , IP, WB, IHC-fr
Species reactivity	Human
Conjugate	-
Immunogen	Leukocytes of patient suffering from a LGL-type leukemia.
Isotype	IgG1
Clonality	Monoclonal
Clone number	MEM-53
Size	0.1 mg
Concentration	1 mg/ml
Format	-
Storage buffer	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

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.

**References**

1. -
2. -
3. -
4. -
5. -

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