Mouse anti-CD45, clone MEM-28 (Monoclonal)

Clone no. MEM-28

MONOSAN

Product name	Mouse anti-CD45, clone MEM-28 (Monoclonal)
Host	Mouse
Applications	FC , IP, WB, IHC-P, ICC
Species reactivity	Human
Conjugate	-
Immunogen	Human thymocytes and T lymphocytes.
Isotype	IgG1
Clonality	Monoclonal
Clone number	MEM-28
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

Product datasheet MON1179

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Additional info

CD45 (LCA, leukocyte common antigen) is a receptor-type protein tyrosine phosphatase ubiquitously expressed in all nucleated hematopoietic cells, comprising approximately 10% of all surface proteins in lymphocytes. CD45 glycoprotein is crucial in lymphocyte development and antigen signaling, serving as an important regulator of Src-family kinases. CD45 protein exists as multiple isoforms as a result of alternative splicing; these isoforms differ in their extracellular domains, whereas they share identical transmembrane and cytoplasmic domains. These isoforms differ in their ability to translocate into the glycosphingolipid-enriched membrane domains and their expression depends on cell type and physiological state of the cell. Besides the role in immunoreceptor signaling, CD45 is important in promoting cell survival by modulating integrin-mediated signal transduction pathway and is also involved in DNA fragmentation during apoptosis.

References

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

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