

Mouse anti-CD91, clone A2Mr alpha-2, R-PE (Monoclonal)

Clone no. A2Mr alpha-2

MONOSAN

Product name	Mouse anti-CD91, clone A2Mr alpha-2, R-PE (Monoclonal)
Host	Mouse
Applications	FC
Species reactivity	human
Conjugate	RPE
Immunogen	Purified alpha2 macroglobulin receptor
Isotype	IgG1
Clonality	Monoclonal
Clone number	A2Mr alpha-2
Size	100 TESTS (reconstitute with 1ml distilled water)
Concentration	n/a
Format	lyophilized
Storage buffer	PBS with 0.09% sodium azide and 1% BSA, 5% sucrose
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Mouse anti Human CD91 antibody, clone A2Mr alpha-2 recognizes human CD91, also known as Prolow-density lipoprotein receptor-related protein 1, Alpha-2-macroglobulin receptor or apolipoprotein E receptor. CD91 is a 4525 amino acid protein post translationally cleaved into 3 subunits, a 85 kDa type I transmembrane carboxyl chain (LRP85) non-covalently bound to a 515 kDa extracellular N-terminal subunit (LRP515) containing multiple EGF-like and LDL-receptor Class A and Class B domains. Additionally, there is an intracellular domain (LRPICD) which can be cleaved from the transmembrane domain by gamma secretase (May et al. 2004). Clone A2Mr alpha-2 detects an epitope within the LRP515 chain. CD91 is a multifunctional protein involved in processes including the phagocytosis and endocytosis of apoptotic cells (Nilsson et al. 2012), clearance of activated serum alpha-2-macroglobulin (Kristensen et al. 1990), modulation of the inflammatory response (Staudt et al. 2013) and acts as a receptor for Pseudomonas aeruginosa exotoxin A (Kounnas et al. 1992). Mouse anti Human CD91, clone A2Mr alpha-2 has been used extensively for the detection of CD91 by flow cytometry and immunohistochemistry

References

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