

Mouse anti-Human CD44, clone F10-44-2 (Monoclonal)

Clone no. F10-44-2

MONOSAN

Product name	Mouse anti-Human CD44, clone F10-44-2 (Monoclonal)
Host	Mouse
Applications	IHC-fr, FC, IF, IHC-P
Species reactivity	human
Conjugate	-
Immunogen	Human T lymphocytes
Isotype	IgG2a
Clonality	Monoclonal
Clone number	F10-44-2
Size	0.2 mg
Concentration	IgG 1 mg/ml
Format	Purified
Storage buffer	PBS with <0.1% sodium azide
Storage until expiry date	aliquots -20°C. Thawed 2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

Mouse anti Human CD44 antibody, clone F10-44-2 recognizes human CD44, also known as Epican, HCAM, Phagocytic Glycoprotein 1 (PGP-1) or Hyaluronate receptor . Human CD44 is a single pass, type I transmembrane glycoprotein of variable molecular weight ranging from ~90kDa to ~220kDa depending on alternate splicing of the variable region exons and on the degree of glycosylation. CD44 is expressed on multiple cell types and is involved in multiple functions including cell-cell interactions and cell-extracellular matrix binding. Hyaluronan, a high molecular weight polysaccharide component of the extracellular matrix acts as the principal ligand for the CD44 receptor (Laurent and Fraser 1992).

References

1. Dalchau R et al. Eur J Immunol 1980; 10: 745-9
2. Xu L et al. Stem Cell Res Ther 2017; 8: 84
3. Hou B et al. J Biomed Mat Res A 2018; 106: 3065-78
4. Squillace N et al. J Antimicrob Chemother 2018; 73: 2162-70
5. Noda GS et al. Rev Cubana Hematol Immunol Hemote 2020; 36: e1283

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