

Human IGFBP7 mouse monoclonal antibody (20D8)



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Catalog PODI-0073

Product specification sheet PS-PAb0073

Product description

Insulin-like growth factor (IGF) binding proteins have a role in shuttling and regulation of IGF molecules. Members of the IGFBP family bind with different affinities. IGFBP7 is a secreted protein that binds to IGF-I and IGF-II with a relatively low affinity. It has been shown to be implicated in apoptosis of certain cancerous cells, and to be an early marker for acute kidney injury and renal recovery after cardiac surgery.

Two anti-IGFBP7 monoclonal antibodies are available. Clone 20D8 is well suited for ELISA (recommended dilution 1:1000), clone 24 is superior in detecting denatured protein by Western blot.

Product type:	Primary antibodies
Clone number:	20D8
Immunogen:	recombinant human Insulin-like growth factor-binding protein 7 (IGFBP7) expressed in HEK293 cells
Reacts with:	Human
Tested applications:	ELISA (recommended starting dilution 1:1000), WB. <i>The optimal antibody dilution is assay dependent and should be determined empirically by the end user</i>
Raised in:	Mouse
Purity:	MabSelect Protein A affinity purified, >95%
Isotype:	IgG1
Light chain type:	Kappa
Storage buffer:	PBS
Form:	Liquid
Concentration:	0.5 mg/ml

Storage and stability

Store at 4 °C, short term (1-2 weeks). For long-term storage, aliquot and keep at or below -20° C. Avoid repeated freeze-thaw cycles

Reference

Meersch M, Schmidt C, Van Aken H, Martens S, Rossaint J, Singbartl K, Görlich D, Kellum JA, Zarbock A. Urinary TIMP-2 and IGFBP7 as early biomarkers of acute kidney injury and renal recovery following cardiac surgery. PLoS One. 2014 Mar 27;9(3):e93460.

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