Mouse anti-PAG/Cbp, clone MEM-255 (Monoclonal)

Clone no. MEM-255

MONOSAN

Product name	Mouse anti-PAG/Cbp, clone MEM-255 (Monoclonal)
Host	Mouse
Applications	FC, WB, IHC-P
Species reactivity	Human
Conjugate	-
Immunogen	Recombinant intracellular fragment (aa 97-432) of human Cbp (PAG).
Isotype	IgG2a
Clonality	Monoclonal
Clone number	MEM-255
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

Product datasheet MON4022

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Additional info

PAG (phosphoprotein associated with GEMs), also known as Cbp (Csk-binding protein), is a ubiquitously expressed 46 kDa transmembrane adaptor protein present in membrane rafts (glycosphingolipid-enriched microdomains), which however migrates on SDS PAGE gels anomalously as an 80 kDa molecule. Following tyrosine phosphorylation by Src family kinases, PAG binds and thereby activates the protein tyrosine kinase Csk, the major negative regulator of the Src family kinases. Signaling via the B-cell receptor in B cells or high affinity IgE receptor (FcepsilonRI) in mast cells leads to PAG increased tyrosine phosphorylation and Csk binding, while T cell receptor signaling causes PAG dephosphorylation, loss of Csk binding and increased activation of the protein tyrosine kinase Lck.

References

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