

Mouse anti-CD109, clone EBS-CD-046 (Monoclonal)

Clone no. EBS-CD-046

MONOSAN

Product name	Mouse anti-CD109, clone EBS-CD-046 (Monoclonal)
Host	Mouse
Applications	FC, IHC-fr, IF
Species reactivity	human, monkey
Conjugate	-
Immunogen	recombinant human CD109.
Isotype	IgG2a-K
Clonality	Monoclonal
Clone number	EBS-CD-046
Size	100 ug
Concentration	100 ug/ml
Format	-
Storage buffer	PBS with 0.02% sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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Additional info

CD109 is a GPI-anchored member of the alpha-2-macroglobulin (A2M) and complement family of proteins. It is expressed on activated T-cells, platelets, hematopoietic stem cells, megakaryocyte precursors, vascular endothelial cells, basal and myoepithelial cells of secretory glands, and squamous cell carcinomas. A 170-180 kDa precursor is autocatalytically reduced to 150 kDa and 120 kDa forms. On keratinocytes CD109 binds TGF-beta and associates with TGFbeta RI and TGF-beta RII, resulting in inhibition of TGF-beta signalling. Polymorphisms of CD109 include the platelet-specific Gov antigen and the blood group ABH antigens. Alloantibodies directed against these antigens result in unsuccessful platelet transfusions, neonatal alloimmune thrombocytopenia, and post-transfusion purpura.

References

1. Emori M, et al, PLoS One 8(12): e84187 (2013)
2. -
3. -
4. -
5. -

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