

Monoclonal antibody against human CD63

Product Nos. ADG5068 and ADG5068L

Description

CD63 (LAMP-3, lysosome-associated membrane protein-3), a glycoprotein of tetraspanin family, is present in late endosomes, lysosomes and secretory vesicles of various cell types. It is also present in the plasma membrane, usually following cell activation. Hence, it has become an widely used basophil activation marker. In mast cells, however, CD63 exposition does not need their activation. CD63 interacts with integrins and affects phagocytosis and cell migration, it is also involved in H/K-ATPase trafficking regulation of ROMK1 channels. CD63 also serves as a T-cell costimulation molecule. Expression of CD63 can be used for predicting the prognosis in earlier stages of carcinomas.

Properties

The monoclonal antibody ADG5068/L (clone MEM-259) is a murine monoclonal antibody, subclass IgG₁. The antibody has been purified from ascites using protein-A affinity chromatography, Purity > 95% (by SDS-PAGE).

The antibody reacts with CD63 (LAMP-3), a 40-60 kDa tetraspan glycoprotein expressed by granulocytes, platelets, T cells, monocytes/macrophages and endothelial cells. Cell surface exposition of CD63 is usually activation-dependent.

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Presentation

Vial containing 100 µg /100 µl (ADG5068) or 300 µg/ 300 µl (ADG5068L) of purified antibody PBS containing 0.09 % sodium azide (pH 7.2) pH 7.2. The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store at 4 °C. For long-term storage aliquot and store at -20°. It is recommended to avoid freeze-thaw cycles. The reagent is stable until the expiry date stated on the vial label.

Applications

Flow Cytometry: detection of activated platelets, neutrophils and basophils

Immunoprecipitation

Western Blotting: non reducing condition

References

1. Grützkau A and other: 2004 Sep;61(1):62-8.
2. Mantegazza AR and other: 2004 Aug 15;104(4): 1183-90.
3. Pfistershammer K and other: 2004 Nov 15;173(10): 6000-8.
4. Israels SJ, McMillan-Ward EM: 2005 Feb;93(2): 311-8.
5. Kwon MS and other: 2007 Jul;57(1):46-53.
6. Lin D and other: 2008 Jan 22

Hinweis/Note:

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.

The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

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