IMMBIOMED

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Monoclonal antibody against human CD147 FITC conjugated

Product Nos. ADG5092 and ADG5092L

Description

CD147 also known as EMMPRIN (extracellular matrix metalloproteinase inducer) or TCSF (tumour cell-derived collagenase-stimulatory factor) is an ubiquitously expressed cell surface protein with multiple glycosylated forms. The highest level of CD147 expression is on metabolically active cells, such as lymphoblasts, inflammatory cells, brown adipocytes and malignant tumour cells. CD147 has multiple functions, including facilitating of cell surface expression of monocarboxylate transporter proteins and extracellular matrix metalloproteinases, regulation of integrin functions, it plays roles in cell development and activation, fetal development or retinal function.

Properties

The monoclonal antibody ADG5092/L (clone HIM6) is a murine monoclonal antibody, subclass IgG_1. The antibody has been purified using protein-G affinity chromatography, Purity > 95% (by SDS-PAGE).

The antibody recognizes a 50-60 kDa type I transmembrane glycoprotein named basigin or neurothelin which is a blood-brain barrier-specific molecule. CD147 is primarily expressed on all leukocytes, red blood cells, platelets and endothelial cells; it is not expressed by resting lymphocytes.

Conjugation

The purified antibody is conjugated with Fluorescein-isothiocyanate (FITC) under optimum conditions. The reagent is adjusted for direct use. No reconstitution is necessary.

Presentation

Vial containing 500 µl (ADG5092) or 2 ml (ADG5092L) of purified antibody in PBS containing 1% BSA and 0.09% sodium azide (pH 7.2). The IgG concentration is 1 mg/ml. Spin the vial briefly before opening.

Storage and Stability

Store the antibody at 4°C. Avoid prolonged exposure to light. The reagent is stable until the expiry date stated on the vial labe.

Applications

Flow cytometry

References

*Leucocyte Typing VI. Tadamitsu L et al. (Eds.), White Cell Differentiation Antigens, Garland Publishing New York (1997).

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