

FITC Anti-Human CD147 Antibody[6H8]

Catalog Number: AN00403C

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

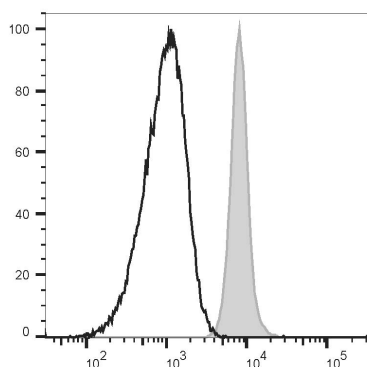
Reactivity	Human
Host	Mouse
Isotype	Mouse IgG1, κ
Clone No.	6H8
Isotype Control	FITC Mouse IgG1, κ Isotype Control[MOPC-21] [Product E-AB-F09792C]
Conjugation	FITC
Conjugation Information	FITC is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 530 nm (e.g., a 525/40 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications

Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.
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Data



Staining of normal human peripheral blood cells with FITC Anti-Human CD147 Antibody[6H8](filled gray histogram) or FITC Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	5F7;Collagenase stimulatory factor;Extracellular matrix metalloproteinase inducer (EMMPRIN);Hepatoma-associated antigen (HAb18G);Leukocyte activation antigen M6
Gene ID	682

For Research Use Only

Background

CD147 (basigin, neurothelin, OX-47, 5A11, CE9, M6, EMMPRIN, extracellular matrix metalloproteinase inducer, TCSF, tumour cell-derived collagenase-stimulatory factor) is a 50-60 kDa glycoprotein with multiple glycosylated forms. CD147 is a plasma membrane protein that is important in spermatogenesis, embryo implantation, neural network formation, and tumor progression. CD147 is also a member of the immunoglobulin superfamily. The highest level of CD147 expression is on metabolically active cells, such as lymphoblasts, inflammatory cells, brown adipocytes and malignant tumor 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.

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