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Datasheet for ABIN192137 anti-CD53 antibody (FITC)

1 Image

5 Publications



Overview

Quantity:	100 tests
Target:	CD53
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD53 antibody is conjugated to FITC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Leukocytes of pacient suffering from a LGL-type leukemia.
Clone:	MEM-53
lsotype:	lgG1
Specificity:	The antibody MEM-53 reacts with an extracellular epitope of CD53, a 32-40 kDa tetraspanin family glycoprotein exclusivelly expressed on leukocytes, it is not present on platelets, red blood cells and non-hematopoietic cells. The antibody MEM-53 reacts also with deglycosylated molecule (molecular weight of the antigen is reduced by 15 kDa using endoglycosidase F).
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

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Target Details

CD53
CD53 (CD53 Products)
CD53 Molecule,CD53 is a tetraspanin family transmembrane glycoprotein expressed in the lymphoid-myeloid lineage. This molecule has been reported to form complexes with other leukocyte surface proteins such as CD2, CD19, CD21, MHC II, VLA-4 or tetraspanins CD37, CD81 and CD82, thus probably modulating various signaling processes. CD53 is involved in radioresistancy of tumour cells and its triggering has anti-apoptotic effect. In thymus, CD53 is up-regulated in response to positive selection signals during T cell development, and is strongly expressed upon macrophage exposure to bacterial lipopolysaccharide, whereas stimulation of neutrophils results in down-regulation of CD53 expression.,Tetraspanin-25, MOX44, TSPAN25
963
P19397
Flow cytometry: The reagent is designed for analysis of human blood cells using 20 μ L reagent / 100 μ L of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
The purified antibody is conjugated with Fluorescein isothiocyanate (FITC) under optimum conditions. The reagent is free of unconjugated FITC and adjusted for direct use. No reconstitution is necessary.
For Research Use only
No reconstitution is necessary.
Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Sodium azide
This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Do not freeze. Avoid prolonged exposure to light.

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Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in:

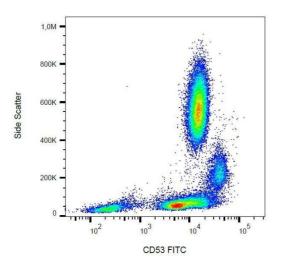
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Flow Cytometry

Image 1. Surface staining of CD53 in human peripheral blood cells with anti-CD53 (MEM-53) FITC.

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