

Technical Data Sheet

Product

Anti-Hu CD53 FITC

Cat. Number/Size

1F-227-T025

25 tests

1F-227-T100

100 tests

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Antigen	CD53
Clone	MEM-53
Format	FITC
Reactivity	Human
Application	FC (QC tested)
Application details	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µl reagent / 100 µl of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Excitation laser	blue (488 nm)
Isotype	Mouse IgG1
Specificity	The antibody MEM-53 reacts with an extracellular epitope of CD53, a 32-40 kDa tetraspanin family glycoprotein exclusively 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).
Other names	Tetraspanin-25, MOX44, TSPAN25
Workshop	HLDA IV: WS Code NL 59; HLDA V: WS Code B CD53.5; HLDA V: WS Code BP BP287; HLDA V: WS Code T T-096; HLDA V: WS Code X XB004
Immunogen	Leukocytes of patient suffering from a LGL-type leukemia.
Entrez Gene ID	963
Gene name	CD53
NCBI Full Gene Name	CD53 molecule
UniProt ID	P19397

Preparation	The purified antibody is conjugated with fluorescein isothiocyanate (FITC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Formulation	Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage and handling	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light. Do not use after expiration date stamped on vial label.

Images and References www.exbio.cz

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