

Datasheet for ABIN7013985
anti-Tetraspanin 7 antibody (APC)[Go to Product page](#)

1 Image

Overview

Quantity:	100 tests
Target:	Tetraspanin 7 (TSPAN7)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Tetraspanin 7 antibody is conjugated to APC
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Human T-ALL cell line THP-6
Clone:	B2D
Isotype:	IgG1
Specificity:	The mouse monoclonal antibody B2D recognizes an extracellular epitope of CD231 (TALLA-1, tetraspanin 7), a transmembrane glycoprotein expressed in neuronal tissue and T-ALL.
Purification:	Purified antibody is conjugated with activated allophycocyanin (APC) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	Tetraspanin 7 (TSPAN7)
Alternative Name:	CD231 (TSPAN7 Products)

Target Details

Background: Tetraspanin 7, CD231 (TALLA-1, T-ALL-associated antigen 1), also known as tetraspanin 7, is a 150 kDa (under reducing conditions 32-45 kDa) transmembrane glycoprotein of tetraspanin family, expressed in T-type acute lymphoblastic leukemia, neuroblastoma, and neuronal tissue. Mutations of CD231 gene are associated with X-linked mental retardation, Huntington's chorea, and myotonic dystrophy. CD231 interacts with integrins and may have a role in the control of neurite outgrowth. Antibodies to CD231 are important for detection of T-ALL and are potential targets of its treatment., TSPAN7, TALLA-1, MXS1, MRX58, TM4SF2

Gene ID: 7102

UniProt: [P41732](#)

Application Details

Application Notes: Flow cytometry: The reagent is designed for analysis of human blood cells using 10 µL reagent / 100 µL of whole blood or 10⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

Restrictions: For Research Use only

Handling

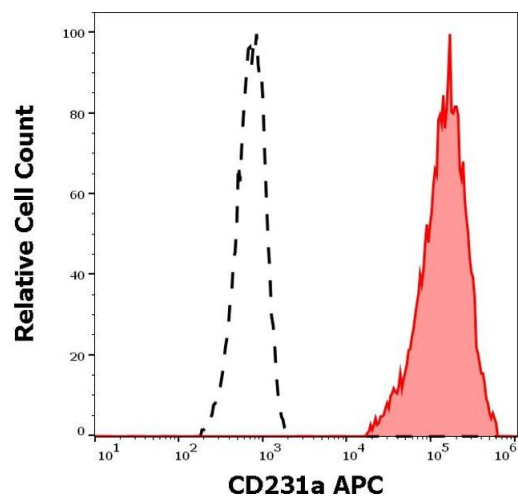
Buffer: Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

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



Flow Cytometry

Image 1. Separation of Jurkat cells stained using anti-human CD231 (B2D) APC antibody (10 μ L reagent per million cells in 100 μ L of cell suspension, red-filled) from Jurkat cells unstained by primary antibody (black-dashed) in flow cytometry analysis (surface staining).