

Datasheet for ABIN6559820
anti-Tetraspanin 7 antibody (PE)[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 PE
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.
Cross-Reactivity (Details):	Human, Other not determined
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	Tetraspanin 7 (TSPAN7)
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Target Details

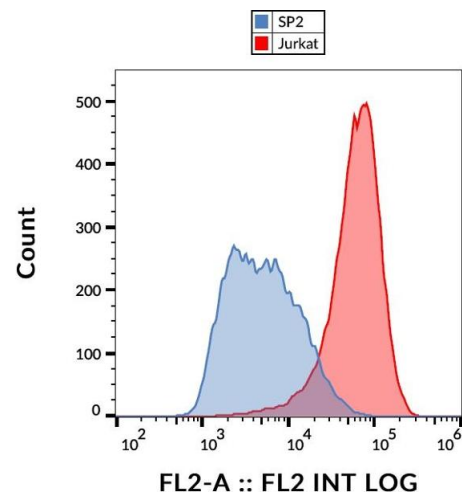
Alternative Name:	CD231 (TSPAN7 Products)
Background:	<p>Tetraspanin 7,CD231 (TALLA-1, T-ALL-associated antigen 1), also known as tetraspanin 7, is a 150 kDa (under reducing conditions 32-45 kDa) transmembrane glycoprotein of tetraspanin family, expressed in T-type acute lymphoblastic leukemia, neuroblastoma, 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</p>
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 10 ⁶ cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
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.
Handling Advice:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use. No reconstitution is necessary.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



Flow Cytometry

Image 1. Flow cytometry analysis (surface staining) of CD231 in JURKAT cells with anti-CD231 (B2D) PE.