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30-2617: Anti-Human CD231 APC (Clone : B2D)

Clonality :	Monoclonal
Clone Name :	B2D
Application :	FACS
Reactivity :	Human
Conjugate :	APC
Gene :	TSPAN7
Gene ID :	7102
Alternative Name :	TSPAN7, TALLA-1, MXS1, MRX58, TM4SF2,tetraspanin 7
Isotype :	Mouse IgG1
Immunogen Information :	Human T-ALL cell line THP-6

Description

CD231 (TALLA-1, T-ALL-asociated 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, HuntingtonÂ´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.
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.

Product Info

Amount :	100 tests
Purification :	The purified antibody is conjugated with allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Content :	Formulation : Stabilizing phosphate buffered saline (PBS) solution containing 15 mM sodium azide
Storage condition :	Store in the dark at 2-8°C. Do not freeze. Avoid prolonged exposure to light.

Application Note

Flow cytometry: The reagent is designed for analysis of human blood cells using 10 ÃÂµl reagent / 100 ÃÂµl of whole blood or 10^6 cells in a suspension. The content of a vial (1 ml) is sufficient for 100 tests.

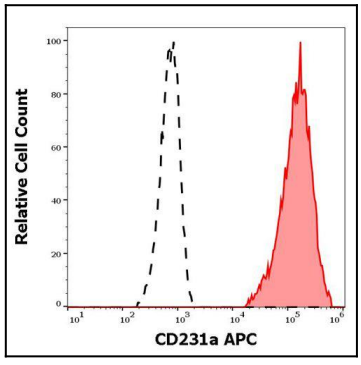


Figure 1 : Separation of Jurkat cells stained using anti-human CD231 (B2D) APC antibody (10 µl reagent per million cells in 100 µl of cell suspension, red-filled) from Jurkat cells unstained by primary antibody (black-dashed) in flow cytometry analysis (surface staining).

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