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30-2616: Anti-Human CD231 Antibody (Clone: B2D)

Clonality: Monoclonal

Clone Name: B2D

Application: FACS, IP, WB, IHC

Reactivity: Human
Gene: TSPAN7
Gene ID: 7102
Format: Purified

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, 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.

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: 0.1 mg

Purification : Purified from cell culture supernatant by protein-A affinity chromatography

Content: 1 mg/ml

Formulation: Phosphate buffered saline (PBS) solution with 15 mM sodium azide

Storage condition : Store at 2-8°C. Do not freeze.

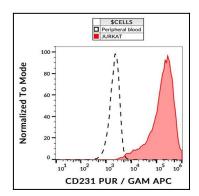


Figure 1 : Flow cytometry analysis (surface staining) of CD231 in JURKAT cells with anti-CD231 (B2D) purified, GAM-APC.