

Anti-Hu CD231 Purified TSPAN7 Monoclonal Antibody

Catalog Number: M07727

About TSPAN7

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.

Overview

Product Name	Anti-Hu CD231 Purified TSPAN7 Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD231 Purified TSPAN7 Monoclonal Antibody (Catalog# M07727). Tested in Flow Cytometry, IP, WB, IHC application(s). This antibody reacts with Human.
Application	Flow Cytometry, IP, IHC, WB
Clonality	Monoclonal B2D
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P41732

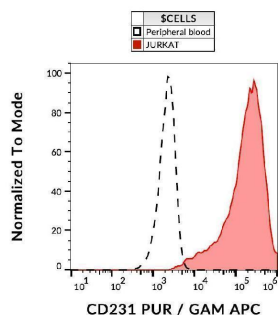
Technical Details

Immunogen	Human T-ALL cell line THP-6. 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.
Predicted Reactive Species	Primate
Cross Reactivity	As in case with other anti-CD170 antibodies, this antibody cross-reacts with Siglec-14, whose first two Ig domains are almost identical to those of CD170.
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

Suggested Dilutions

Immunohistochemistry: Positive control: brain.
Flow cytometry: 1-4 µg/ml

Anti-Hu CD231 Purified TSPAN7 Monoclonal Antibody (M07727) Images



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

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