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anti-CD57 antibody

2 Images



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Overview

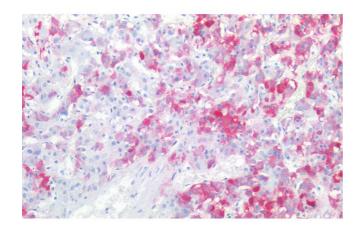
Quantity:	0.1 mg
Target:	CD57 (B3GAT1)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD57 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

Product Details

Immunogen:	A pool of neuroblastoma cell lines
Clone:	TB01
Isotype:	IgM
Specificity:	The mouse monoclonal antibody TB01 recognizes CD57, a carbohydrate extracellular antigen present mainly on NK cells, NK T cells, and in neural tissue.
Cross-Reactivity (Details):	Human
Purification:	Purified by sequential steps of physicochemical fractionation (differential precipitation and solid-phase chromatography methods).
Purity:	> 95 % (by SDS-PAGE)

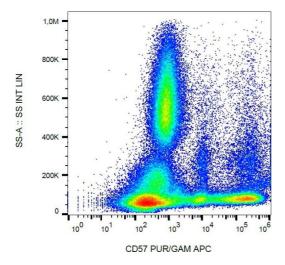
Target Details

rarget Details	
Target:	CD57 (B3GAT1)
Alternative Name:	CD57 (B3GAT1 Products)
Background:	Beta-1,3-glucuronyltransferase 1,CD57, also known as HNK1 or Leu7, is a sulphated
	trisaccharide (3-0-sulfoglucuronic acid beta1-3 Gal beta1-4 GlcNAc) attached to several
	glycoproteins, including CD56, myelin glycoprotein PO, and neural cell adhesion molecule L1, as
	well as on glycolipids and chondroitin sulphate proteoglycans in the nervous system. It serves
	as a NK cell marker and it is expressed on well differentiated prostate cancers and uveal and
	cutaneous melanoma. CD57+ T cells are implicated as suppressors of T-cell responses.,HNK1,
	LEU7, 3-O-sulfoglucuronic acid beta1-3 Gal beta1-4 GlcNAc
Gene ID:	27087
UniProt:	Q9P2W7
Pathways:	Glycosaminoglycan Metabolic Process
Application Details	
Application Notes:	Flow cytometry: Recommended dilution: 1-4 µg/mL.
	Immunohistochemistry: Recommended dilution: 5-10 μg/mL.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Tris buffered saline (TBS), pH 8.0, 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. Do not freeze.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry staining of human adrenal gland (paraffin-embedded sections) with anti-CD57 (TB01), $10~\mu g/mL$.



Flow Cytometry

Image 2. Flow cytometry analysis (surface staining) of human buffy coat cells with anti-human CD57 (TB01) purified, GAM-APC.