



Mouse Anti-Human CD56 monoclonal antibody, clone JID167 (CABT-L2896)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human CD56
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID167
Conjugate	Unconjugated
Applications	IHC
Reconstitution	<p>The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining.</p> <p>The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.</p>
Positive Control	Neuroblastoma
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	<p>Predilute: Antibody Diluent Buffer</p> <p>Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA</p>

Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Cluster of differentiation 56 (CD56), also known as Neural-Cell Adhesion Molecule (NCAM), is a glycoprotein involved in synaptic plasticity, cell-cell adhesion, neurite outgrowth, learning, and memory. NCAM is expressed in normal neurons, glia, natural killer cells, activated T-cells, brain and cerebellum, neuroendocrine tissues, and skeletal muscle. Anti-CD56 recognizes a number of tumors including myeloma, myeloid leukemia, natural killer/T-cell lymphomas, neuroendocrine tumors, pancreatic acinar-cell carcinoma, pheochromocytoma, and Wilm's tumor. CD56 is detectable in neoplasms that are neuroectodermally-derived, such as retinoblastoma, medulloblastomas, astrocytomas, small cell carcinomas, and neuroblastomas. It has also been linked to rhabdomyosarcoma, a tumor that is mesodermally-derived.
Keywords	NCAM1;neural cell adhesion molecule 1;CD56;NCAM;MSK39;neural cell adhesion molecule, NCAM;antigen recognized by monoclonal antibody 5.1H11;

GENE INFORMATION

Gene Name	NCAM1 neural cell adhesion molecule 1 [Homo sapiens (human)]
Official Symbol	NCAM1
Synonyms	NCAM1; neural cell adhesion molecule 1; CD56; NCAM; MSK39; neural cell adhesion molecule, NCAM; antigen recognized by monoclonal antibody 5.1H11;
Entrez Gene ID	4684
Protein Refseq	NP_000606
UniProt ID	P13591
Chromosome Location	11q23.1
Pathway	Axon guidance; BDNF signaling pathway; Cardiac Progenitor Differentiation; Cell adhesion molecules (CAMs); Cytokine Signaling in Immune system; Developmental Biology; ECM proteoglycans; Extracellular matrix organization;
Function	identical protein binding;