Human Chondrolectin Antibody

Monoclonal Mouse IgG_{2B} Clone # 396305

Catalog Number: MAB2576

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Chondrolectin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 396305
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human Chondrolectin Arg22-Asn216 Accession # Q9H9P2
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

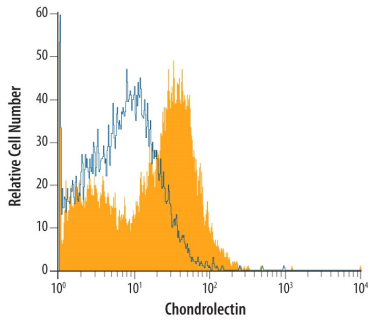
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human Chondrolectin
Flow Cytometry	2.5 µg/10^6 cells	See Below
Immunocytochemistry	8-25 µg/mL	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

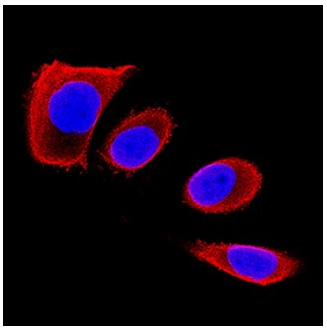
DATA

Flow Cytometry



Detection of Chondrolectin in PC-3 Human Cell Line by Flow Cytometry. PC-3 human prostate cancer cell line was stained with Mouse Anti-Human Chondrolectin Monoclonal Antibody (Catalog # MAB2576, filled histogram) or isotype control antibody (Catalog # MAB0041, open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG $F(ab')_2$ Secondary Antibody (Catalog # F0101B).

Immunocytochemistry



Chondrolectin in PC-3 Human Cell Line. Chondrolectin was detected in immersion fixed PC-3 human prostate cancer cell line using Mouse Anti-Human Chondrolectin Monoclonal Antibody (Catalog # MAB2576) at 25 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm and plasma membranes. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Chondrolectin (CHODL) is a 36 kDa type I transmembrane protein containing a C-type lectin carbohydrate recognition domain. Multiple isoforms of human CHODL are generated as a result of alternative promoter usage and/or alternative splicing. Some isoforms are differentially expressed during T cell development. Human and mouse CHODL share 94% amino acid sequence identity in their extracellular region.

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