

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DCC in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 531505
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human DCC Ser1323-Phe1447 Accession # P43146
Formulation	Supplied as a 0.2 µm filtered solution in PBS. 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
Immunohistochemistry	8-25 µg/mL	Immersion-fixed paraffin-embedded sections of human stomach and human stomach cancer tissue

PREPARATION AND STORAGE

Shipping	The product is shipped with dry ice or equivalent. 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. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C, as supplied. ● 1 month, 2 to 8 °C under sterile conditions after opening. ● 6 months, -20 to -70 °C under sterile conditions after opening.

BACKGROUND

Deleted in colorectal cancer (DCC) is a 170-190 kDa transmembrane glycoprotein that contains four Ig-like domains and six fibronectin type III repeats in its extracellular domain. DCC is expressed on axons during development where its binding to Netrin-1 regulates axon migration and myelination. It inhibits apoptosis when bound by Netrin-1 and can induce apoptosis in the absence of ligand. DCC also functions as an adhesion molecule and a tumor suppressor on intestinal epithelial cells. Deficiencies in DCC function are associated with the development and metastasis of many tumors. Within aa 1323-1447 of the cytoplasmic domain, human DCC shares 98% aa sequence identity with the mouse and rat DCC.

PRODUCT SPECIFIC NOTICES

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U.S. Patent # 5,939,271, 6,277,585, and other U.S. and international patents pending.