Human DCC Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 531505

Catalog Number: FAB5884R

100 µg

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	*E. coli*-derived recombinant human DCC Ser1323-Phe1447 Accession # P43146
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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