

#### DESCRIPTION

|                           |                                                                                                                                                                                                                                                                             |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human DCC in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) ICAM-1, rhICAM-2, rhICAM-3, rhMadCAM-1, rhPECAM-1, rhVCAM-1, and rhCEACAM-1 is observed.                                                  |
| <b>Source</b>             | Polyclonal Sheep IgG                                                                                                                                                                                                                                                        |
| <b>Purification</b>       | Antigen Affinity-purified                                                                                                                                                                                                                                                   |
| <b>Immunogen</b>          | <i>E. coli</i> -derived recombinant human DCC<br>Ser1323-Phe1447<br>Accession # P43146                                                                                                                                                                                      |
| <b>Conjugate</b>          | Alexa Fluor 750<br>Excitation Wavelength: 749 nm<br>Emission Wavelength: 775 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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.

**Western Blot** 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.

#### PRODUCT SPECIFIC NOTICES

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