

Technical Data Sheet

Purified Mouse Anti-Contactin**Product Information**

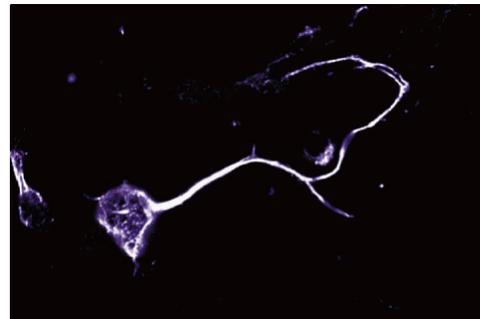
Material Number:	610578
Size:	50 µg
Concentration:	250 µg/ml
Clone:	41/Contactin
Immunogen:	Human Contactin aa. 77-238
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Rat, Mouse
Target MW:	135 kDa
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

Contactin (Gp135), the human homologue of chicken F11 and mouse F3 proteins, is a neuronal cell adhesion protein of the Ig superfamily. The contactin gene encodes two different isoforms: Contactin 1 (1018 amino acids; 998 aa after signal sequence cleavage) and Contactin 2 which lacks the first 11 amino acids of the mature Contactin 1 protein. Contactin is spatially expressed and has been implicated in guiding axons in developing embryos. As is typical of an Ig-type protein, the extracellular region of contactin contains six Ig domains followed by four FNIII (fibronectin type III) repeats. Contactin is released from membranes after treatment with a PI-PLC phospholipase, indicating that the membrane attachment of contactin is through GPI.



Western blot analysis of Contactin on SKN lysate.
Lane 1: 1:250, lane 2: 1:500, lane 3: 1:1000 dilution.



Immunofluorescence staining of Rat Neurons

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at -20°C.

Application Notes**Application**

Western blot	Routinely Tested
Immunofluorescence	Tested During Development
Immunoprecipitation	Not Recommended
Immunohistochemistry	Not Recommended

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Suggested Companion Products

<u>Catalog Number</u>	<u>Name</u>	<u>Size</u>	<u>Clone</u>
554002	HRP Goat Anti-Mouse Ig	1.0 ml	(none)
554001	FITC Goat Anti-Mouse Ig	0.5 mg	Polyclonal

Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.
4. Source of all serum proteins is from USDA inspected abattoirs located in the United States.

References

Berglund EO, Ranscht B. Molecular cloning and in situ localization of the human contactin gene (CNTN1) on chromosome 12q11-q12. *Genomics*. 1994; 21(3):571-582.(Biology)