



Product Information Sheet

Monoclonal Anti-Connexin 32 - conjugated to Magnetic Beads

Catalogue No. MA1031-M

Immunogen

Synthetic connexin-32 peptide (amino acids 105-123) conjugated to KLH.

Lot No. 08A12

Clone: CXN-32

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Ig type: mouse IgG1

Formulation

Size: 200µl

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation(IP)

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

BACKGROUND

Connexin32(CX32), also known as GAP junction protein beta-1(GJB1). Connexins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells. CX32 expressed in liver and peripheral nerve. CX32 gene is mapped to Xp11-q13 and is directly regulated by the transcription factor SOX10.

REFERENCE

1. Corcos, I. A.; Lafreniere, R. G.; Begy, C. R.; Loch-Carusio, R.; Willard, H. F.; Glover, T. W. : Refined localization of human connexin 32 gene locus, GJB1, to Xq13.1. *Genomics* 13: 479-480, 1992.
- 2 Bondurand, N.; Girard, M.; Pingault, V.; Lemort, N.; Dubourg, O.; Goossens, M. : Human connexin 32, a gap junction protein altered in the X-linked form of Charcot-Marie-Tooth disease, is directly regulated by the transcription factor SOX10. *Hum. Molec. Genet.* 10: 2783-2795, 2001.
3. Fairweather, N.; Bell, C.; Cochrane, S.; Chelly, J.; Wang, S.; Mostacciuolo, M. L.; Monaco, A. P.; Haites, N. E. : Mutations in the connexin 32 gene in X-linked dominant Charcot-Marie-Tooth disease (CMTX1). *Hum. Molec. Genet.* 3: 29-34, 1994.

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