



Product Information Sheet

Monoclonal Anti-Connexin 32 (Sephacrose Bead Conjugate)

Catalogue No. MA1031-S

Lot No. 08A12

Clone: CXN-32

Ig type: mouse IgG1

Size: 200µl

Specificity

Human, mouse, rat.

No cross reactivity with other proteins.

Recommended application

Immunoprecipitation(IP)

Immunogen

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

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ preservative.

Storage

Store at 4°C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays.

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-Caruso, 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.; Haite, 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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