Connexin 43 Monoclonal Antibody (Connexin43 (1A)), Biotin, eBioscience™

Product Details

Size	100 µg
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), Biotin, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	Connexin43 (1A)
Conjugate	Biotin
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2572790

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	10 µg/mL	-
Immunocytochemistry (ICC/IF)	Assay-Dependent	-

Product Specific Information

Description: The Connexin43 monoclonal antibody recognizes mouse Connexin 43. Connexins are a family of integral membrane proteins that form gap junction channels, which function to facilitate direct cell-cell communication. Gap junctions are comprised of two hemichannels, or connexons, which are made up of six connexin proteins. Over 20 connexin proteins have been identified and each combine to form either homomeric or heteromeric channels with different functional properties. Connexin 43 is expressed in many tissues, including the central nervous system, heart, and bone. Connexin 43 is the most abundant connexin found in the myocardium and is also the primary connexin expressed in astrocytes. Mutations in connexin 43 are associated with ocluodentodigital dysplasia, a rare developmental disorder characterized by craniofacial and limb abnormalities. Connexin 43 may also be a promising therapeutic target in the treatment of malignant melanomas and mammary gland tumors.
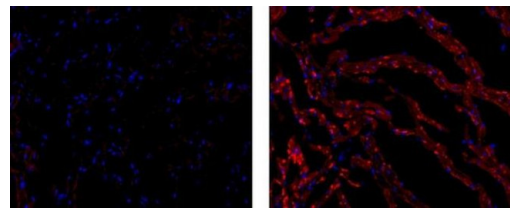
The monoclonal antibody Connexin43 also recognizes human and rat connexin 43.

Applications Reported: This Connexin43 antibody has been reported for use in immunocytochemistry, and immunohistochemical staining of frozen tissue sections.

Applications Tested: This Connexin43 antibody has been tested by immunohistochemistry of frozen mouse tissue and can be used at less than or equal to 10 µg/mL. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

Filtration: 0.2 µm post-manufacturing filtered.

Support (US): 1 800 955 6288
Support (Outside US): thermofisher.com/contactus
E-mail: CustomerCare@thermofisher.com

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1

Product Images For Connexin 43 Monoclonal Antibody (Connexin43 (1A)), Biotin, eBioscience™

Connexin 43 Antibody (13-4759-82) in IHC (F)

Immunohistochemistry of frozen mouse heart using 10 µg/mL of Mouse IgG1 K Isotype Control Biotin (left) or 10 µg/mL Anti-Mouse Connexin 43 Biotin (right) followed by Streptavidin eFluor® 570. Nuclei are stained with DAPI.

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2