

Product Datasheet

Anti-CDY1/2 Antibody FL594 Conjugate



Overview

Catalog #	75-174-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N143/38
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC
Species Reactivity	Human
Immunogen	Fusion protein amino acids 6-66 (Chromo domain) of human CDY1 (accession number Q9Y6F8) produced recombinantly in E. Coli
Molecular Weight	60 kDa
Cite this Antibody	Antibodies Inc Cat# 75-174-FL594, RRID: AB_2939642

Details

Target Description	This antibody recognizes the proteins Testis-specific chromodomain protein Y 1 and 2 and are encoded by the genes CDY1 and CDY2A respectively. These genes each have a paralog (CDY1B and CDY2B) which are also present on the Y chromosome. Proteins in the CDY-related family contain a chromodomain, involved in chromatin binding, and a histone acetyltransferase catalytic domain. These proteins are expressed in the nucleus in testis. Diseases associated with these genes include Y-Linked Spermatogenic Failure, and Y Chromosome Infertility.
Specificity	No cross-reactivity against CDYL1 or CDYL2
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

Note: For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.