

Brilliant Violet 421™ anti-His-Tag Antibody

Catalog# / Size	362643 / 25 tests 362644 / 100 tests
Clone	J095G46
Regulatory Status	RUO
Other Names	Hexa histidine-tag, 6xHis-tag, 6XHis, 6His
Isotype	Mouse IgG2a, κ
Description	This antibody was raised against a linear 8XHis tag. It reacts with His-tagged protein with C, N or internal 6XHis tags or longer. It can be used for western blotting to detect linear His repeats (6XHis or more). It can also be used for ICFC and ICC staining of His-tagged proteins.

Product Details

Verified Reactivity	Human, Mouse, Rat, All species
Antibody Type	Monoclonal
Host Species	Mouse
Immunogen	KLH-conjugated His-tag peptide.
Formulation	Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA)
Preparation	The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 421™ under optimal conditions.
Concentration	Lot-specific (to obtain lot-specific concentration and expiration, please enter the lot number in our Certificate of Analysis online tool.)
Storage & Handling	The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.
Application	FC - Quality tested
Recommended Usage	Each lot of this antibody is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells in 100 µL staining volume or 5 µL per 100 µL of whole blood. It is recommended that the reagent be titrated for optimal performance for each application. Brilliant Violet 421™ excites at 405 nm and emits at 421 nm. The standard bandpass filter 450/50 nm is recommended for detection. Brilliant Violet 421™ is a trademark of Sirigen Group Ltd. Learn more about Brilliant Violet™. This product is subject to proprietary rights of Sirigen Inc. and is made and sold under license from Sirigen Inc. The purchase of this product conveys to the buyer a non-transferable right to use the purchased product for research purposes only. This product may not be resold or incorporated in any manner into another product for resale. Any use for therapeutics or diagnostics is strictly prohibited. This product is covered by U.S. Patent(s), pending patent applications and foreign equivalents.
Excitation Laser	Violet Laser (405 nm)
Application Notes	This antibody was raised against a linear 8X His tag. It reacts with proteins displaying repeats of 6 Histidines (His6) or more in either internal or C and N terminal regions. It is suitable for ICFC. Clone J095G46 has been verified for immunocytochemistry (ICC).

Antigen Details

Structure	6 repeat His amino acid
Function	Epitope tag
Biology Area	Cell Biology, Immunology
Antigen References	

1. Zhao C, *et al.* 2010. *Anal Biochem.* 399:237
2. Salichs E, *et al.* 2009. *PLoS Genet.* 5:e1000397
3. Terpe K. 2003. *Appl. Microbiol. Biotechnol.* 60:523
4. Lindner, P, *et al.* 1997. *Biotechniques.* 22:140
5. Burritt JB, *et al.* 1995. *J. Biol. Chem.* 270:16974.
6. Taylor RM, *et al.* 2007. *Methods Mol. Biol.* 412:429.

Gene ID NA

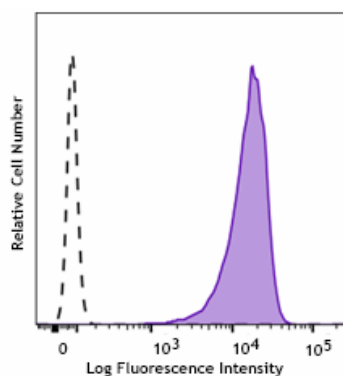
Related Protocols

- [Cell Surface Flow Cytometry Staining Protocol](#)

Other Formats

TotalSeq™-A1132 anti-His-Tag, TotalSeq™-C1132 anti-His-Tag, PerCP/Cyanine5.5 anti-His-Tag, PE/Dazzle™ 594 anti-His-Tag, TotalSeq™-B1132 anti-His-Tag, PE/Cyanine7 anti-His-Tag, FITC anti-His-Tag, Pacific Blue™ anti-His Tag, APC/Cyanine7 anti-His-Tag, PE/Cyanine5 anti-His-Tag, APC anti-His Tag, Alexa Fluor® 594 anti-His Tag, Alexa Fluor® 647 anti-His Tag, Alexa Fluor® 700 anti-His-Tag Antibody, Brilliant Violet 711™ anti-His-Tag, Brilliant Violet 421™ anti-His-Tag, Brilliant Violet 785™ anti-His-Tag, Alexa Fluor® 488 anti-His Tag, Direct-Blot™ HRP anti-His Tag, Ultra-LEAF™ Purified anti-His Tag, Purified anti-His Tag, PE anti-His Tag

Product Data



Human TMEM8a (with His-Tag) transfected P3.U1 cells were stained with anti-His-Tag (clone J095G46) Brilliant Violet 421™ (filled histogram) or mouse IgG2a, κ Brilliant Violet 421™ isotype control (open histogram).

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