TECHNICAL DATA SHEET

CyFlow™ CLIC5a Purified
Anti-Hu; Clone CLIC5-02

REF **BX274478**

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CLIC5a
Alternative Names	—
Clone	CLIC5-02
Clonality	monoclonal
Format	Purified
Host / Isotype	Mouse / IgG2b
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [1 mg/ml]
Immunogen	KLH-conjugated peptide corresponding to the amino acids 160-173 of human CLIC5a

Specificity

The mouse monoclonal antibody CLIC5-02 recognizes CLIC5a antigen, a 32 kDa protein which is component of actin complexes. Crossreactivity with CLIC5b was not determined.

Contact Information:

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Application

Based on published sources, this antibody is suitable for the following applications:

- Flow cytometry
- Western blot

Storage Buffer

The reagent is provided in phosphate buffered saline (PBS) solution, pH ≈7.4, containing 0.1% (w/v) sodium azide.

Storage and Stability

Storage	Avoid prolonged exposure to light. Store in the dark at 2-8°C. Do not freeze.
Stability	Do not use after expiration date stamped on vial label.

Background Information

CLIC5a belongs to the family of chloride intracellular channel (CLIC) proteins, all sharing a highly conserved C terminus and variable N terminus. Human CLIC5 is transcribed in two isoforms, 32 kDa CLIC5a (251 amino acids) and 49 kDa CLIC5b (410 amino acids). These proteins exist in a soluble form and their function as ion channels in vitro has not been fully confirmed in vivo. CLIC5a is a component of complexes of actin, ezrin, and several other actin-associated proteins and is important for functionality of actin-based structures.

References

- Wegner B, Al-Momany A, Kulak SC, Kozlowski K, Obeidat M, Jahroudi N, Paes J, Berryman M, Ballermann BJ: CLIC5A, a component of the ezrin-podocalyxin complex in glomeruli, is a determinant of podocyte integrity. Am J Physiol Renal Physiol. 2010 Jun; 298(6):F1492-503. < PMID: 20335315 >

The Safety Data Sheet for this product is available at www.sysmex-partec.com/services.

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