

TECHNICAL DATA SHEET

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

REF BB430897

For Research Use Only.

Not for use in diagnostic or therapeutic procedures.

Specifications

Antigen	CLIC5a
Alternative Names	—
Clone	CLIC5-02
Clonality	monoclonal
Format	PE
Host / Isotype	Mouse / IgG2b
Species Reactivity	Human
Negative Species Reactivity	—
Quantity [Concentration]	0.1 mg [0.1 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

The reagent is designed for Flow Cytometry analysis. Working concentrations should be determined by the investigator.

Other usages may be determined from the scientific literature.

Storage Buffer

The reagent is provided in stabilizing phosphate buffered saline (PBS) solution, pH \approx 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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