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# anti-CLIC5 antibody (AA 160-173) (PE)

**Images** 



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Quantity:	0.1 mg	
Target:	CLIC5	
Binding Specificity:	AA 160-173	
Reactivity:	Human	
Host:	Mouse	
Clonality:	Monoclonal	
Conjugate:	This CLIC5 antibody is conjugated to PE	
Application:	Flow Cytometry (FACS)	
Product Details		
Immunogen:	KLH-conjugated peptide corresponding to the amino acids 160-173 of human CLIC5a (Cys-Ile-Asp-Ala-Asn-Thr-Ser-Asp-Lys-Gly-Ser-Arg-Arg coupled with KLH).	
Clone:	CLIC5-02	
Isotype:	IgG2b kappa	
Specificity:	Mouse monoclonal antibody CLIC5-02 recognizes CLIC5a, a 32 kDa intracellular protein which associates with proteins of actin complexes. Crossreactivity with CLIC5b was not determined.	
Cross-Reactivity (Details):	Human	
	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions.	

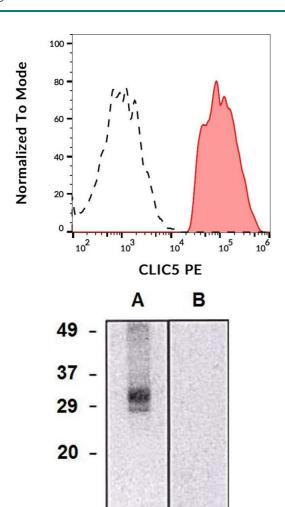
Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

## **Target Details**

Storage Comment:

Target Details			
Target:	CLIC5		
Alternative Name:	CLIC5a (CLIC5 Products)		
Background:	Chloride intracellular channel 5,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.,MST130, DFNB102, DFNB103, MSTP130		
Gene ID:	53405		
UniProt:	Q9NZA1		
Pathways:	Sensory Perception of Sound		
Application Details			
Application Notes:	Flow cytometry: Recommended dilution: 1-5 μg/mL. Intracellular staining.		
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate was purified by size-exclusion chromatography.		
Restrictions:	For Research Use only		
Handling			
Concentration:	0.1 mg/mL		
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide		
Preservative:	Sodium azide		
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.		
Storage:	4°C		

Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.



### **Flow Cytometry**

**Image 1.** Separation of CLIC5 transfected HEK-293 cells stained using anti-CLIC5 (CLIC5-02) PE antibody (concentration in sample 3  $\mu$ g/mL, red-filled) from unstained CLIC5 transfected HEK-293 cells (GAM APC, black-dashed) in flow cytometry analysis (intracellular staining).

#### **Western Blotting**

**Image 2.** Western blotting analysis of CLIC5a in HEK293-CLIC5a transfectants (A) and