

Product datasheet for **TA326523**

Clcn3 Mouse Monoclonal Antibody [Clone ID: S258-5]

Product data:

Product Type:	Primary Antibodies
Clone Name:	S258-5
Recommended Dilution:	WB: 1ug/ml, IHC: 0.1-1ug/ml, IF: 1-10ug/ml
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Synthetic peptide amino acids 98-115 (cytoplasmic N-terminus) of rat Clcn3
Formulation:	PBS pH7.4, 50% glycerol
Concentration:	lot specific
Purification:	Protein G Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	chloride voltage-gated channel 3
Database Link:	NP_445815 Entrez Gene 1182 Human Entrez Gene 12725 Mouse Entrez Gene 84360 Rat P51792
Background:	Clcn3 mediates the exchange of chloride ions against protons, and functions as an antiporter and contributes to the acidification of the endosome and synaptic vesicle lumen, and may thereby affect vesicle trafficking and exocytosis. It may play an important role in neuronal cell function through regulation of membrane excitability by protein kinase C. It could also help neuronal cells to establish short-term memory.
Synonyms:	CLC-3; CLC3
Note:	Detects ~90kDa. Does not cross-react with Clcn4 or Clcn5 (based on KO validation results)



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