

**Name: CLDN5 (Claudin 5) mouse monoclonal antibody, clone 1G4****Catalog: TA500843****Product Data Sheet**

Gene Name: Homo sapiens claudin 5 (CLDN5), transcript variant 2  
 GeneBank accession: NM\_003277  
 Isotype: IgG1

Reactivity: Human  
 Test application: WB  
 Clone Name: clone 1G4

**Gene Synonym:** AWAL; BEC1; CPETRL1; TMVCF**Validation Data:****Guaranteed Applications:** IF, FC**IF****Suggested Dilutions:** IF 1:100, FLOW 1:100,**Immunogen:** Full length human recombinant protein of human CLDN5(NP\_003268) produced in HEK293T cell.**Components:**

- CLDN5 (Claudin 5) mouse monoclonal antibody, clone 1G4 (TA500843)

**Amount:**

TA500843-100 100ul

**Concentration:** 1mg/ml

**Storage Condition:** Shipped at -20C. Upon delivery store at -20C. Dilute in PBS (pH7.3) if necessary. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

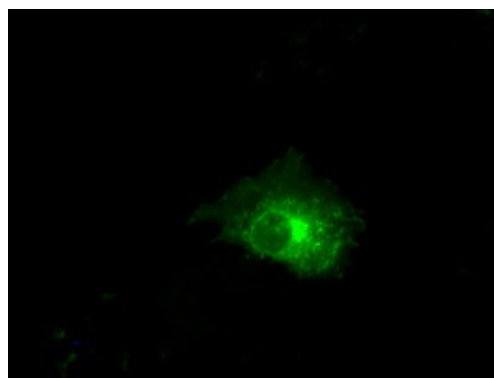
**Buffer:** PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.

**Purification:**

Purified from mouse ascites fluids by affinity chromatography

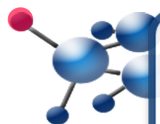
**Background:**

This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets. Mutations in this gene have been found in patients with velocardiofacial syndrome. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq].



Anti-CLDN5 mouse monoclonal antibody (TA500843) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY CLDN5(RC207122).

***This product is to be used for laboratory only. Not for diagnostic or therapeutic use.***

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