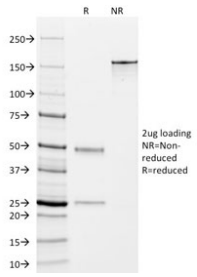
# DOG1 Antibody / TMEM16A / ANO1 [clone DG1/447] (V2315CF488)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2315CF488-100T | 500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 Tests |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | CF488 Conjugate |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | DG1/447 |
| **Purity** | Protein G affinity chromatography |
| **Localization** | Cell surface, cytoplasmic |
| **Applications** | Flow cytometry: 1-2ug/million cells<br>Immunofluorescence: 1-3ug/ml |
| **Limitations** | This DOG1 antibody is available for research use only. |




SDS-PAGE analysis of purified, BSA-free DOG1 antibody (clone DG1/447) as confirmation of integrity and purity.

## Description

Expression of TMEM16A (DOG1) protein is elevated in the gastrointestinal stromal tumors (GIST's), c-kit signaling-driven mesenchymal tumors of the GI tract. It is rarely expressed in other soft tissue tumors, which, due to appearance, may be difficult to diagnose. Immunoreactivity for TMEM16A has been reported in 97.8 percent of scorable GIST's, including all c-kit negative GIST's. Overexpression has been suggested to aid in the identification of GISTs, including Platelet-Derived Growth Factor Receptor Alpha (PDGFR alpha) mutants that fail to express c-kit antigen. The overall sensitivity of TMEM16A and c-kit in GIST's is nearly identical: 94.4% vs. 94.7%.

## Application Notes

Optimal dilution of the DOG1 antibody should be determined by the researcher.

## Immunogen

A portion of amino acids 904-986 from the human TMEM16A/DOG1 protein was used as the immunogen for this TMEM16A antibody.

## Storage

Store the DOG1 antibody at 2-8oC, protected from light.


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