

## Anti-DOG-1 / TMEM16A / ANO1 (Gastrointestinal Stromal Tumor Marker) Monoclonal Antibody

Catalog Number: M30940

### About TMEM16A

Expression of DOG-1 protein is elevated in the gastrointestinal stromal tumors (GIST's), c-kit signaling-driven mesenchymal tumors of the GI tract. DOG-1 is rarely expressed in other soft tissue tumors, which, due to appearance, may be difficult to diagnose. Immunoreactivity for DOG-1 has been reported in 97.8 percent of scorable GIST's, including all c-kit negative GIST's. Overexpression of DOG-1 has been suggested to aid in the identification of GISTs, including Platelet-Derived Growth Factor Receptor Alpha mutants that fail to express c-kit antigen. The overall sensitivity of DOG1 and c-kit in GIST's is nearly identical: 94.4% vs. 94.7%.

### Overview

Product Name	Anti-DOG-1 / TMEM16A / ANO1 (Gastrointestinal Stromal Tumor Marker) Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-DOG-1 / TMEM16A / ANO1 (Gastrointestinal Stromal Tumor Marker) Monoclonal Antibody (Catalog # M30940). Tested in IHC applications. This antibody reacts with Human.
Conjugate	Biotin
Application	IHC
Clonality	Monoclonal Clone: DG1/447 + DOG-1.1
Formulation	Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage Instructions	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.
Host	Mouse
Uniprot ID	Q5XX6

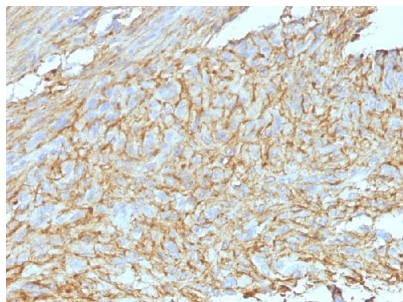
### Technical Details

Immunogen	Recombinant human DOG-1 protein (DG1/447) + A synthetic peptide from human DOG-1 protein (MSDFVDWVIPDKDISQQIHKEKVLMMVELFMREEQDKQQL-ETCMEKERQKDEPPCNHHNTKACPDSLGS-APSHAYHGGVL), conjugated to a carrier protein (DOG-1.1).
Predicted Reactive Species	Pig, Rabbit
Cross Reactivity	Does not cross-react with primate, avian or amphibian GR.
Isotype	IgG1, kappa + IgG1, kappa

Form	Liquid
Concentration	Purified antibody with BSA and azide at 200ug/ml
Purification	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT)(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95&amp;degC followed by cooling at RT for 20 minutes)</p> <p>Optimal dilution for a specific application should be determined.</p>

## Anti-DOG-1 / TMEM16A / ANO1 (Gastrointestinal Stromal Tumor Marker) Monoclonal Antibody (M30940) Images

---



Formalin-fixed, paraffin-embedded human GIST stained with Anti-DOG-1 Monoclonal Antibody (DG1/447 + DOG1.1).

---

### Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-DOG-1 / TMEM16A / ANO1 (Gastrointestinal Stromal Tumor Marker) Monoclonal Antibody