

## Anti-TMIGD2 Monoclonal Antibody [8A1]

Catalog Number: M11415

### About TMIGD2

TMIGD2 (transmembrane and immunoglobulin domain containing 1), also known as immunoglobulin-containing and proline-rich receptor 1 (IGPR1), is novel adhesion molecule that is expressed in multiple tissues, primarily in cells of epithelium and endothelium origins (1). TMIGD2 is thought to be involved in angiogenesis and regulates cellular morphology, homophilic cell aggregation, and cell-cell interaction. TMIGD2 activity also modulates actin stress fiber formation and focal adhesion and reduces cell migration.

### Overview

Product Name	Anti-TMIGD2 Monoclonal Antibody [8A1]
Reactive Species	Human
Description	Boster Bio Anti-TMIGD2 Monoclonal Antibody [8A1] (Catalog # M11415). Tested in ELISA, WB, ICC, IF, IHC-P, Flow Cytometry applications. This antibody reacts with Human.
Application	ELISA, Flow Cytometry, IF, IHC-P, ICC, WB
Clonality	Monoclonal Clone: 8A1
Formulation	TMIGD2 Antibody is supplied in PBS containing 0.02% sodium azide and 50% glycerol.
Storage Instructions	TMIGD2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Mouse
Uniprot ID	Q96BF3

### Technical Details

Immunogen	TMIGD2 antibody was raised against the extracellular domain of human TMIGD2
Predicted Reactive Species	Mouse, Rat
Cross Reactivity	beta-Actin antibody is human, mouse, rat, rabbit, chicken, zebrafish and drosophila reactive.
Isotype	IgG1,k
Form	Liquid
Concentration	1 mg/mL
Purification	TMIGD2 Antibody is supplied as protein A purified IgG1.
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

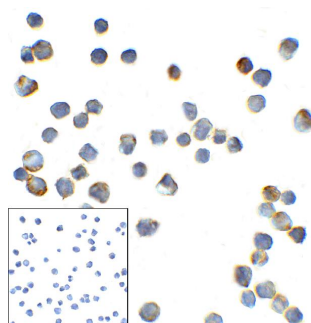
If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

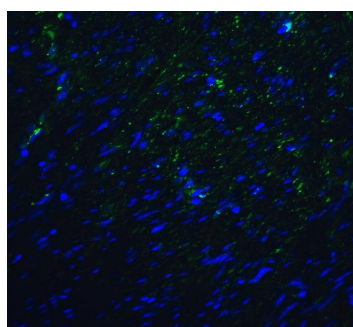
Boster Bio's internal QC testing used:

TMIGD2 antibody can be used for ELISA starting at 0.25 ug/mL. For Western blot start at 0.25 ug/mL. For Immunocytochemistry start at 2 ug/mL. For Immunofluorescence start at 20 ug/mL. For Immunohistochemistry start at 5 ug/mL. For Flow Cytometry start at 10 ug/mL. Optimal dilutions for each application should be determined by the researcher.

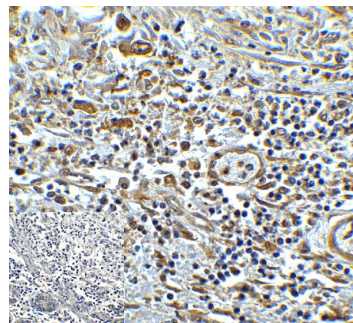
## Anti-TMIGD2 Monoclonal Antibody [8A1] (M11415) Images



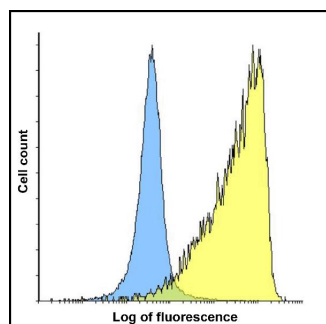
Immunocytochemistry of TMIGD2 in transfected HEK293 cells with TMIGD2 antibody at 2 ug/mL. Lower left: Immunocytochemistry in transfected HEK293 cells with control mouse IgG antibody at 2 ug/mL.



Immunofluorescence of TMIGD2 in human colon carcinoma tissue with TMIGD2 antibody at 20 ug/mL.



Immunohistochemistry of TMIGD2 in human colon carcinoma tissue with TMIGD2 antibody at 5 ug/mL.



Flow cytometry analysis of TMIGD2 overexpressing HEK293 cells using TMIGD2 antibody and control mouse IgG antibody at 10 ug/ml. Blue: Untransfected HEK293 cells. Yellow: TIM-3 overexpressing HEK293 cells.

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