

Product Datasheet

TIGIT Antibody (orb1240146)

Catalog Number	orb1240146
Category	Antibodies
Description	TIGIT Antibody
Target	TIGIT
Clonality	Monoclonal
Species/Host	Mouse
Isotype	IgG1
Conjugation	Unconjugated
Reactivity	Human
Form/Appearance	Liquid
Concentration	1 mg/mL
Buffer/Preservatives	TIGIT Antibody is supplied in PBS containing 0.02% sodium azide and 50% glycerol.
Purification	TIGIT Antibody is supplied as protein A purified IgG1.
Immunogen	TIGIT antibody was raised against the extracellular domain of human TIGIT
UniProt ID	Q495A1
MW	Predicted: 26 kDa Observed: 47 kDa
Tested applications	ELISA, FC, ICC, IF, IHC-P, WB

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Application notes

TIGIT antibody can be used for immunohistochemistry starting at 2 µg/mL. For immunofluorescence start at 1 µg/mL. For flow cytometry at 1 µg/ml. For immunocytochemistry at 1 µg/mL. For Western blot at 1 µg/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples; Immunocytochemistry in human samples; Immunofluorescence in human samples and Flow Cytometry in human samples. All other applications and species not yet tested.

Antibody Type

Primary Antibody

Clone Number

4A12

Modifications

None

Storage

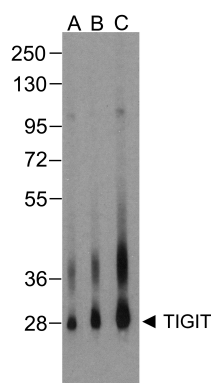
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Note

For research use only

NCBI**NP_776160****Expiration Date**

12 months from date of receipt.



Western blot analysis of TIGIT in over expressing HEK293 cells using orb1240146 antibody at (A) 0.25 µg/ml, (B) 0.5 µg/ml, and (C) 1 µg/ml.

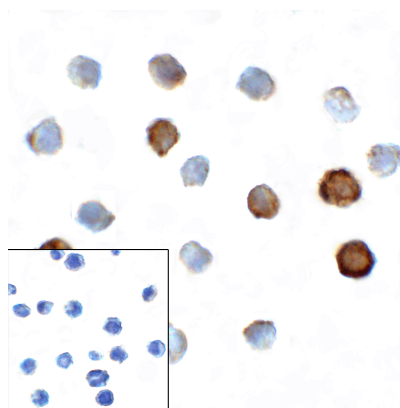
Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

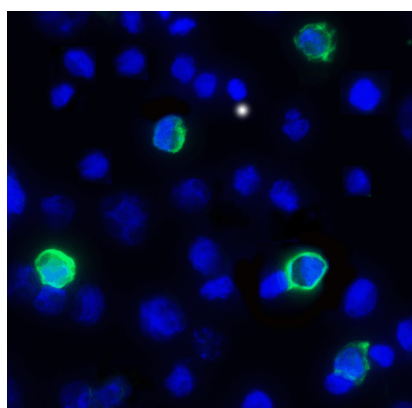
Email: info@biorbyt.com, support@biorbyt.comPhone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)**Biorbyt LLC**

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

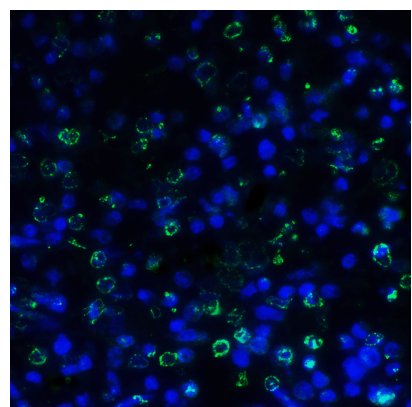
Email: info@biorbyt.com, support@biorbyt.comPhone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)



Immunocytochemistry of TIGIT in over expressing HEK293 cells using TIGIT antibody and control mouse IgG antibody (left corner box) at 1 $\mu\text{g/ml}$.



Immunofluorescence of TIGIT in over expressing HEK293 cells using TIGIT Antibody at 1 $\mu\text{g/ml}$. Green: TIGIT Antibody [4A12] (orb1240146) Blue: DAPI staining



Immunofluorescence of TIGIT in human stomach carcinoma tissue using TIGIT Antibody at 5 $\mu\text{g/ml}$. Green: TIGIT Antibody [4A12] (orb1240146) Blue: DAPI staining

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com

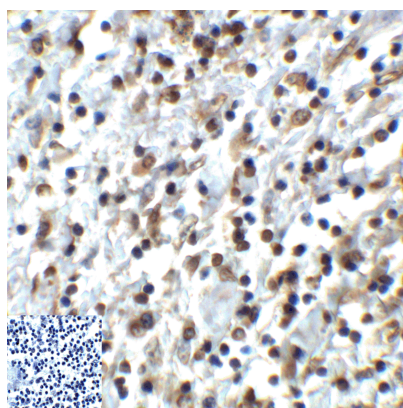
Phone: [+44 \(0\)1223 859353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC

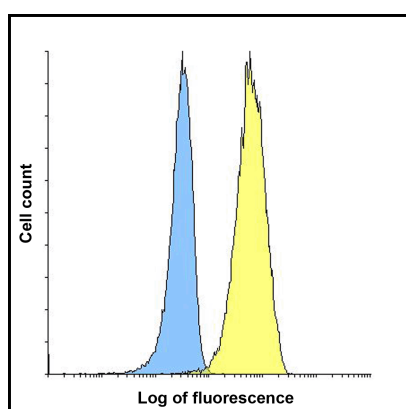
68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com

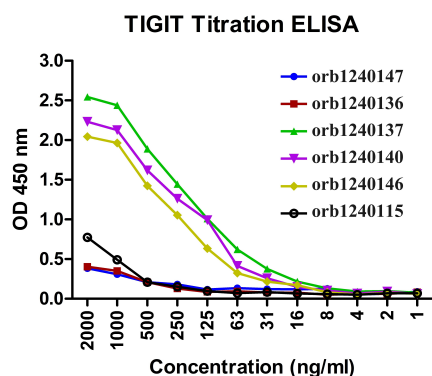
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)



Immunohistochemistry of TIGIT in human stomach carcinoma tissue using TIGIT Antibody and control mouse IgG (corner box) at 2 µg/ml.



Flow cytometry analysis of TIGIT over expressing HEK293 cells using TIGIT antibody at 1 µg/ml. Blue: untransfected HEK293 cells. Yellow: TIGIT over expressing HEK293 cells.



Titration curve analysis of TIGIT mAbs to detect recombinant TIGIT in ELISA with orb1240147, orb1240136, orb1240137, orb1240140, orb1240146 and orb1240115 antibodies at decreasing concentrations.

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558