

# Product Datasheet

## Thyroglobulin Antibody (rTGB/4744) [mFluor Violet 500 SE] NBP3-08264MFV500

Unit Size: 0.1 ml

Store at 4C in the dark.

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Updated 10/26/2023 v.20.1

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**NBP3-08264MFV500**

Thyroglobulin Antibody (rTGB/4744) [mFluor Violet 500 SE]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | rTGB/4744   |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG2a Kappa   |
| Conjugate           | mFluor Violet 500 SE  |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |   |
|-------------------------|---|
| Host                    | Mouse   |
| Gene ID                 | 7038  |
| Gene Symbol             | TG  |
| Species                 | Human, Mouse, Rat   |
| Marker                  | Thyroidal Cell Marker   |
| Specificity/Sensitivity | rTGB/4744 reacts with a partially defined epitope of human thyroglobulin. This epitope is different from the epitope recognized by monoclonal antibody 6E1. Thyroglobulin is a 660kDa dimeric pre-protein with multiple glycosylation sites. It is produced by and processed within the thyroid gland to produce the hormone thyroxine and triiodothyronine. Prior to forming dimers, thyroglobulin monomers undergo conformational maturation in the endoplasmic reticulum. The vast majority of follicular carcinomas of the thyroid will give positive immunoreactivity for anti-thyroglobulin even though sometimes only focally. Poorly differentiated carcinomas of the thyroid are frequently anti-thyroglobulin negative. Adenocarcinomas of other-than-thyroid origin do not react with this antibody. This antibody is useful in identification of thyroid carcinoma of the papillary and follicular types. Presence of thyroglobulin in metastatic lesions establishes the thyroid origin of tumor. Anti-thyroglobulin, combined with anti-calcitonin, can identify medullary carcinomas of the thyroid. Furthermore, anti-thyroglobulin, combined with anti-TTF1, can be a reliable marker to differentiate between primary thyroid and lung neoplasms. |
| Immunogen               | Human thyroid follicular cells  |
| Notes                   | mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.   |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Flow Cytometry, Immunohistochemistry-Paraffin                          |
| Recommended Dilutions       | Flow Cytometry, Immunohistochemistry-Paraffin                          |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |



## Images

Thyroglobulin Antibody (rTGB/4744) [mFluor Violet 500 SE] - Vial of mFluor Violet 500 conjugated antibody. mFluor Violet 500 is optimally excited at 410 nm by the Violet laser (405 nm) and has an emission maximum of 501 nm.





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### **Products Related to NBP3-08264MFV500**

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|                    |  |
|--------------------|--|
| H00007038-Q02-25ug | Recombinant Human Thyroglobulin GST (N-Term) Protein |
| 210-TA-005         | TNF-alpha [Unconjugated]                             |
| DY8306-05          | Thyroglobulin [Biotin]                               |
| D6050              | IL-6 [HRP]   |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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