

Datasheet



Mouse mAb to **Thyroglobulin**
Clone **EBS-O-192**
Isotype **IgG1-κ**

Source

A BALB/c mouse was immunized with human thyroid follicular cells.

Specifications

EBS-O-192 reacts with thyroglobulin, a 660kDa dimeric pre-protein with multiple glycosylation sites. The vast majority of follicular carcinomas of the thyroid are positive 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.

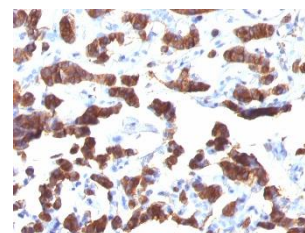


Figure 1: Human thyroid carcinoma stained with EBS-O-192 (paraffin)

Species reactivity

Positive: human.

Applications

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.

Flow cytometry	Frozen sections	Paraffin sections
+	+	Citrate

Format

Produced in tissue culture, contains no host Ig. Antibodies are affinity purified and presented in PBS with 0,02 % sodium azide.

Stored at 4°C- 8°C, shelf life is at least 24 months after purchase.

Dilution advice

- Flow cytometry (0,5-1,0 µg/million cells in 0,1 ml).
- Immunohistology (formalin-fixed: 0,5-1,0 µg/ml for 30 min at RT; staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes).

Positive control

Human thyroid.

References

- This antibody has not been published.