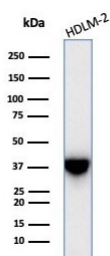


## STING Antibody / MITA / ERIS / TMEM17 [clone STING1/7438] (V5098)

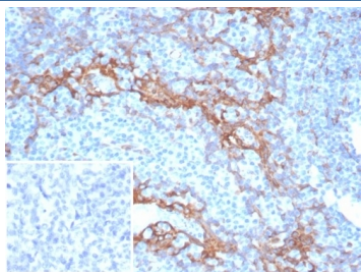
| Catalog No.    | Formulation                                                             | Size   |
|----------------|-------------------------------------------------------------------------|--------|
| V5098-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5098-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V5098SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

[Bulk quote request](#)

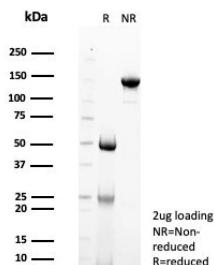
|                           |                                                                                    |
|---------------------------|------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                  |
| <b>Species Reactivity</b> | Human                                                                              |
| <b>Format</b>             | Purified                                                                           |
| <b>Clonality</b>          | Monoclonal (mouse origin)                                                          |
| <b>Isotype</b>            | Mouse IgG1, kappa                                                                  |
| <b>Clone Name</b>         | STING1/7438                                                                        |
| <b>Purity</b>             | Protein A/G affinity                                                               |
| <b>UniProt</b>            | Q86WV6                                                                             |
| <b>Localization</b>       | Cytoplasm                                                                          |
| <b>Applications</b>       | Western Blot : 1-2ug/ml<br>Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT |
| <b>Limitations</b>        | This STING antibody is available for research use only.                            |



Western blot testing of human HDLM-2 cell lysate with STING antibody (clone STING1/7438). Predicted molecular weight ~42 kDa.



IHC staining of FFPE human tonsil tissue with STING antibody (clone STING1/7438). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free STING antibody (clone STING1/7438) as confirmation of integrity and purity.

## Description

TMEM173 (transmembrane protein 173), also called MITA, ERIS and STING1, is a 379 amino acid protein encoded by a gene mapping to human chromosome 5. With 181 million base pairs encoding around 1,000 genes, chromosome 5 is about 6% of human genomic DNA. It is associated with Cockayne syndrome through the ERCC8 gene and familial adenomatous polyposis through the adenomatous polyposis coli (APC) tumor suppressor gene. Treacher Collins syndrome is also chromosome 5 associated and is caused by insertions or deletions within the TCOF1 gene. Deletion of the p arm of chromosome 5 leads to Cri du chat syndrome. Deletion of 5q or chromosome 5 altogether is common in therapy-related acute myelogenous leukemias and myelodysplastic syndrome.

## Application Notes

Optimal dilution of the STING antibody should be determined by the researcher.

## Immunogen

A recombinant partial protein sequence (within amino acids 190-290) from the human protein was used as the immunogen for the STING antibody.

## Storage

Aliquot the STING antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.