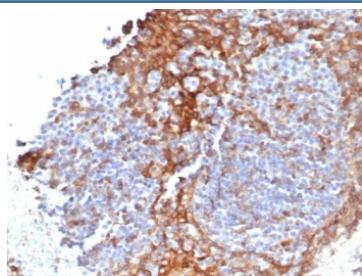


## STING Antibody / Stimulator of interferon genes protein / ERIS / MITA [clone STING1/7436] (V5073)

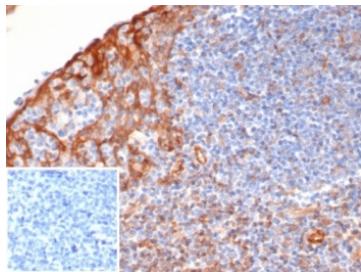
Catalog No.	Formulation	Size
V5073-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5073-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5073SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

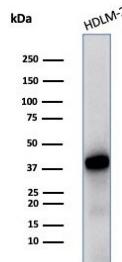
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	STING1/7436
Purity	Protein A/G affinity
UniProt	Q86WV6
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This STING antibody is available for research use only.



IHC staining of FFPE human tonsil tissue with STING antibody (clone STING1/7436).  
HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human tonsil tissue with STING antibody (clone STING1/7436).  
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.



Western blot testing of human HDLM-2 cell lysate with STING antibody (clone STING1/7436). Predicted molecular weight ~42 kDa.

## Description

TMEM173 (transmembrane protein 173), also called STING, ERIS and MITA, 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 -20°C or colder. Avoid repeated freeze-thaw cycles.