STING1 / TMEM173 Antibody

Mouse Monoclonal Antibody [Clone STING1/7432]

Catalog No	Format	Size
340061-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
340061-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
340061-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

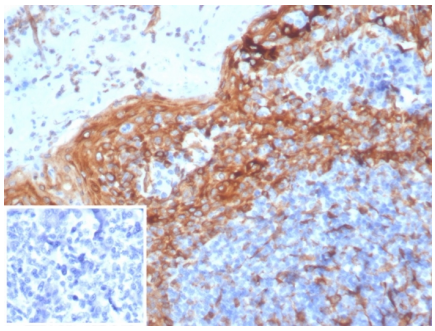
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

Clone	STING1/7432
Gene Name	STING1
Immunogen	Recombinant fragment (around aa190-290) of human TMEM173 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG
Mol. Weight of Antigen	37-50kDa
Cellular Localization	Autophagosome membrane, Cell membrane, Cytoplasm, Cytoplasmic vesicle, Endoplasmic reticulum membrane, Endoplasmic reticulum-Golgi intermediate compartment membrane, Golgi apparatus membrane, Mitochondrion outer membrane, Perinuclear region
Species Reactivity	Human
Positive Control	Cytoplasmic expression in several tissues including cells in respiratory tract, fallopian tube and cells in lymphoid tissues.

**Optimal dilution for a specific application should be determined.*

Product Images for STING1 / TMEM173 Antibody



Formalin-fixed, paraffin-embedded human tonsil stained with STING1 Mouse Monoclonal Antibody (STING1/7432). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

TMEM17 (transmembrane protein 173) 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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Immunology, Infectious Disease

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.