
Product Datasheet

H3K27me3 antibody (orb758980)

Description

Mouse monoclonal antibody to H3K27me3

Species/Host

Mouse

Reactivity

Human

Conjugation

Unconjugated

Tested Applications

ELISA, ICC, IF, IHC, IP, WB

Immunogen

BT164 is a mice-derived lupus antibody that was established by selection on apoptotic chromatin.

Target

H3K27me3

Preservatives

PBS with 0.02% Proclin 300.

Concentration

1 mg/ml

Storage

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Note

For research use only

Application notes

BT164 recognizes an apoptosis-induced trimethylation of K27 on N-terminal tail of histone H3 which is a target for autoantibodies in patients and mice with SLE (systemic lupus erythematosus) (van Bavel et al., 2011; pmid: 20699234). Consequently, this antibody is recommended for the detection and studying of SLE. ELISA studies demonstrated that BT164 exhibits preferential activity with the apoptotic nucleosomes in comparison with the control nucleosomes (van Bavel et al., 2011; pmid: 20699234). It can be used for the detection of apoptosis in general. Furthermore, this antibody was demonstrated to label cells with methylated histone-3 on K27 via immunofluorescence and it also immunoprecipitated chromatin with such a methylation profile, further demonstrating its ability to specifically recognize markers characteristic of SLE (van Bavel et al., 2011; pmid: 20699234).

Isotype

IgG2b

Clonality

Monoclonal

Purity

Purified

Expiration Date

12 months from date of receipt.