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TMEM119 Mouse mAb

Catalog # AP96627

Product Information

Application	WB
Reactivity	Mouse
Predicted	Rat, Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	29 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human TMEM119
Isotype	IgG3/Kappa
Purity	affinity purified by Protein A
Buffer	0.01M TBS(pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Post-translational modifications	Showing features for signal, chain, glycosylation, modified residue (large scale data), modified residue.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Involved in positive regulation of bone mineralization; positive regulation of osteoblast differentiation; and positive regulation of osteoblast proliferation. Located in plasma membrane. [provided by Alliance of Genome Resources, Apr 2022]

Additional Information

Gene ID	338773
Other Names	OBIF; RGD1307573; TM119_HUMAN; TMEM119; Osteoblast induction factor (OBIF); TM119_MOUSE; B2RYL3_RAT; transmembrane protein 119; osteoblast induction factor
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Name	TMEM119 Mouse mAb
Function	Plays an important role in bone formation and normal bone mineralization. Promotes the differentiation of myoblasts into osteoblasts (PubMed:20025746).May induce the commitment and differentiation of myoblasts into osteoblasts through an enhancement of BMP2 production and interaction with the BMP-RUNX2 pathway. Up-regulates the expression of ATF4, a transcription factor which plays a central role in osteoblast differentiation. Essential for normal spermatogenesis and late testicular

differentiation (By similarity).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.