

bsm-51740M**[Primary Antibody]****BioSS**
ANTIBODIES

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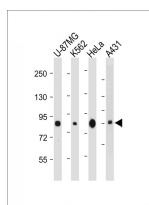
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400-901-9800

PLOD1 Mouse mAb**— DATASHEET —**

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|--|-------------------------|--|
| Host: Mouse | Isotype: IgG2b,k | Applications: WB (1:500-2000) Reactivity: Human Predicted MW.: 33 kDa Subcellular Location: Nucleus |
| Clonality: Monoclonal | CloneNo.: M4G1 | |
| GeneID: 5351 | SWISS: Q02809 | |
| Target: PLOD1 | | |
| Immunogen: KLH conjugated synthetic peptide derived from human PLOD1: 51-150/727. | | |
| Purification: affinity purified by Protein G | | |
| Concentration: 1mg/ml | | |
| Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. | | |
| Background: Lysyl hydroxylase is a membrane-bound homodimeric protein localized to the cisternae of the endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxylysyl groups are attachment sites for carbohydrates in collagen and thus are critical for the stability of intermolecular crosslinks. Some patients with Ehlers-Danlos syndrome type VI have deficiencies in lysyl hydroxylase activity. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2015] | | |

— VALIDATION IMAGES —

Sample: Lane 1: U-87MG cell lysates Lane 2: K562 cell lysates Lane 3: HeLa cell lysates Lane 4: A431 cell lysates
Primary: Anti-PLOD1 (bsm-51740M) at 1/4000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution
Predicted band size: 33 kD Observed band size: 85 kD