

# PRODUCT DATA SHEET

Bioworld Technology,Inc.

# LOX monoclonal antibody

Catalog: MB66952 Host: Mouse Reactivity: Human

### **BackGround:**

LOX (lysyl oxidase) is a secreted copper-dependent amine oxidase and a member of the lysyl oxidase family . It primarily catalyzes the oxidation of lysine (or hydroxylysine) residues in collagen and elastin to form peptidyl aldehyde derivatives . These modifications are required for further cross-linking of target proteins to enhance ECM (extracellular matrix) stiffness. LOX plays critical roles in vascular, lung, and skin development, and tissue damage repair . Upregulation of LOX is associated with various diseases, including cancer progression and tissue fibrosis. Aberrant LOX activity creates a favorable tumor microenvironment to promote tumor metastasis and distal colonization .

#### **Product:**

Mouse IgG2b. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

## **Molecular Weight:**

~ 47 kDa

## **Swiss-Prot:**

P28300

# **Purification&Purity:**

This antibody is purified through a protein G column.

### **Applications:**

WB (1/500 - 1/1000)

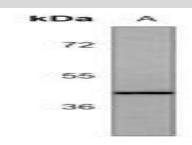
### Storage&Stability:

Store at  $4\,\mathrm{C}$  short term. Aliquot and store at  $-20\,\mathrm{C}$  long term. Avoid freeze-thaw cycles.

# **Specificity:**

Recognizes endogenous levels of LOX protein.

### **DATA:**



Western blot analysis of LOX expression in MDAMB231 (A) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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