bs-13387R **[Primary Antibody]**

Glucose Oxidase Rabbit pAb

www.bioss.com.cn
sales@bioss.com.cn
techsupport@bioss.com.cn
400-901-9800

DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: Glucose Oxidase

Immunogen: KLH conjugated synthetic peptide derived from Penicillium amagasakiense Glucose Oxidase: 14-120/587.

Purification: affinity purified by Protein A

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: Glucose Oxidase is a dimeric enzyme that binds to β-D-glucose and aids in its oxidation into D-glucono-1,5-lactone which then hydrolyzes to gluconic acid. Flavin adenine dinucleotide (FAD) is a cofactor to Glucose Oxidase that acts as the initial electron acceptor and is required for this oxidation to occur. Glucose Oxidase is a natural preservative found in honey, where it reduces atmospheric oxygen into hydrogen peroxide which acts as an antibacterial barrier. Glucose Oxidase is also commonly used in biosensors in which it conveys levels of glucose by keeping track of the number of electrons passed through the enzyme. In this application, Glucose Oxidase is connected to an electrode and the resulting charge is measured.

Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
ICC/IF (1:100-500)
ELISA (1:5000-10000)

Reactivity: (predicted: Penicillium amagasakiense)

Predicted MW.: 64 kDa

Subcellular Location: Secreted