



**Creative Enzymes**

*Diagnostic Enzymes*

## Native Peroxidase (POD) from Microorganism

### Product Information

<b>Cat#</b>	BDE-013
<b>Description</b>	Peroxidase (POD) uses hydrogen peroxide as a substrate and facilitates the highly sensitive detection of various biomarkers through a colorimetric reaction.
<b>Applications</b>	Serves as a universal coupling enzyme in colorimetric systems, amplifying signals in various hydrogen peroxide-generating reactions.
<b>Enzyme Commission Number</b>	EC 1.11.1.7
<b>Form</b>	Reddish-brown amorphous lyophilized powder
<b>Source</b>	Microorganism
<b>Activity</b>	≥ 200 U/mg
<b>Optimum pH</b>	6.0-6.5
<b>Inhibitors</b>	Azides, cyanides (10 μM), sulfides (1 μM), fluorides
<b>Storage</b>	Freeze-dried powder can be refrigerated at 5°C or lower for several years without losing its activity.

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