Maleimide Activated Horseradish Peroxidase (HRP)
Lyophilized powder, > 200 units / mg protein
MW: 40,000 Dalton
Product Number: CM53211

Product Description
CellMosaic’s maleimide activated Horseradish Peroxidase (HRP) is designed for direct conjugation of HRP with proteins, peptides, or other ligands containing free sulfhydryl groups (–SH) for use as an enzyme-linked detection reagent. This product consists of HRP that has been modified with BMPS (N-(β-Maleimidopropyloxy) succinimide ester) to attach 1 to 3 maleimide groups per HRP molecule while retaining the peroxidase activity. Upon conjugation, the activated HRP will covalently attach to sulfhydryl-containing compounds to generate primarily single labeled HRP-conjugate reporter probes.

Application
• Conjugation of HRP to antibodies & other proteins for Western Blotting & ELISA.
• Conjugation of HRP to oligonucleotides for in-situ hybridization.

Key Features of Maleimide activated HRP
• Lyophilized powder and ready for conjugation reaction after reconstitution with water, no buffer is needed. Please exchange the buffer of your thiol compound into PBS buffer or use deionized water to dissolve the thiol compound prior conjugation.
• Suitable for single label, average number of maleimide groups per HRP: 1 to 2.
• High purity: ≥ 99%.
• Activity: >200 units/mg protein [Unit Definition. One unit is amount of enzyme that will form 1.0 mg purpurogallin from pyrogallol in 20 sec. at pH 6.0 at 20 °C].

References