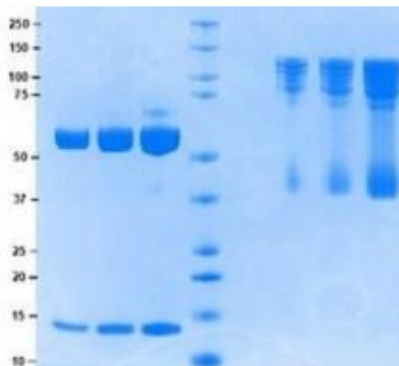


MPO

Native Human Myeloperoxidase, Lyophilized

Catalog No.	CSI19688A CSI19688B CSI19688C	Quantity:	1 mg 10 mg 100 µg
Description:	MPO is a peroxidase enzyme stored in azurophilic granules of the neutrophil. Myeloperoxidase has a green heme pigment and is found in pus and some forms of mucus. It is recognized as an important factor in many inflammatory diseases such as cardiovascular and neurological diseases.		
UniProt ID:	P05164		
Source:	Human neutrophils		
Molecular Weight:	130-150 kDa		
Original Concentration:	1.0 - 5.0 mg/ml, prior to lyophilization, by $E^{0.1\%}_{280nm} = 1.45$		
Formulation:	Lyophilized from sterile-filtered 50 mM sodium acetate, 100 mM sodium chloride, pH 6.0		
Purity:	≥95% by SDS-PAGE		
Biological Activity:	One unit is defined as the amount of enzyme that decomposes one micromole of hydrogen peroxide per minute at 25°C, pH 6.0. Reaction mixture contains 30mM sodium phosphate, pH 6.1, 30mM guaiacol, and 0.0012% (0.35mM) hydrogen peroxide.		
Specific Activity:	> 200 units/mg protein after lyophilization		
Original Volume:	Volume prior to lyophilization		
Reconstitution:	Centrifuge vial briefly to consolidate the product. Add original volume of de-ionized water followed by gently mixing. If further dilution is required, use lyophilization buffer.		
Storage & Stability:	Store lyophilized protein at -20°C to -80°C for at least 1 year.		
Country of Origin:	USA		
Infectious Disease Statement:	Prepared from whole blood shown to be non reactive for HBsAg, anti-HCV, anti- HBc, and negative for anti-HIV 1 & 2 by FDA-required tests.		

SDS-PAGE: 4-12% Bis-Tris gel, 1x MES (reduced/heated)



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