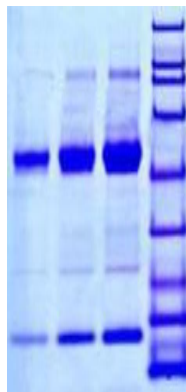


EPX

Native Human Eosinophil Peroxidase

Catalog No.	CSI19650	Quantity:	1.0 mg
Alternate Names:	Eosinophil peroxidase, EPX		
Description:	Native Human Eosinophil Peroxidase is a dimer consisting of both heavy and light chain. It is one of the most abundant granule proteins in human eosinophils and functions as an oxidant. The enzyme is released at sites of infection or allergen stimulation to mediate lysis of bacteria, protozoa, or parasitic worms. Eosinophil peroxidase catalyzes oxidation of various substrates by hydrogen peroxide. Together with other leukocyte-derived enzymes, such as myeloperoxidase, it plays an important role in the pathogenesis of asthma by mediating oxidative events that lead to the production of reactive oxygen species and reactive nitrogen species.		
UniProt ID:	P11678		
Source:	Whole blood		
Molecular Weight:	70.5 kDa		
Formulation:	Lyophilized from 20 mM NaH ₂ PO ₄ , 150 mM NaCl, pH 7.5		
Purity:	> 95% by SDS PAGE		
Unit Definition:	One unit of activity is defined as the amount of enzyme which will decompose one micromole of hydrogen peroxide per minute at 25°C, pH 6.0.		
Specific Activity:	≥ 180 U/mg protein		
Reconstitution:	Reconstitute with deionized water at 0.1-1.0 mg/ml		
Storage & Stability:	Store at -20°C to -80°C. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. Avoid repeated freeze/thaw cycles.		
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 approved tests		

SDS-PAGE non-reduced



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