

**BA1116****Human Catalase - Purified**

<b>Alternate names:</b>	CAT, Peroxisome Marker
<b>Quantity:</b>	1 mg
<b>Concentration:</b>	1.96 mg/ml
<b>Background:</b>	Catalase is the classical marker for peroxisomes and is the most abundant protein within peroxisomes. It is found in almost all aerobically respiring organisms and serves to protect cells from the toxic effects of hydrogen peroxide.
<b>Uniprot ID:</b>	<a href="#">P04040</a>
<b>NCBI:</b>	<a href="#">NP_001743.1</a>
<b>GeneID:</b>	<a href="#">847</a>
<b>Species:</b>	Human
<b>Source:</b>	Erythrocytes, Human Erythrocyte
<b>Format:</b>	<b>State:</b> Liquid <b>Purity:</b> 95% pure (SDS-PAGE) <b>Buffer System:</b> 50mM Tris, pH 8.0 and no preservatives
<b>Description:</b>	<b>Specific Activity:</b> 71,836 Units/mg protein. One unit is equal to the amount of enzyme that will decompose 1 umole of hydrogen peroxide per minute at 25°C, pH 7.4. <b>Molecular weight:</b> 256kDa (composed of 4 identical subunits of 58kDa each)
<b>Storage:</b>	Store at -20°C. Avoid multiple freeze/thaw cycles. Shelf life: Six months from despatch.
<b>Caution:</b>	All human source materials have tested negative for HIV1, HIV2, HCV antibodies and HBsAg. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.