

**Instruction manual**

- \* FOR RESEARCH USE ONLY
- \* STORE AT -20°C UPON ARRIVAL

**Anti-Bilirubin Antibody**  
**( 24G7 )**

<b>Product name</b>	<b>Anti-Bilirubin Antibody [24G7]</b>
<b>Description</b>	<b>Mouse monoclonal against bilirubin</b>
<b>Source</b>	<b>Mouse</b>
<b>Clonality</b>	<b>Monoclonal</b>
<b>Clone name</b>	<b>24G7</b>
<b>Purification</b>	<b>Protein G purified</b>
<b>Conjugate</b>	<b>Un-conjugated</b>
<b>Tested applications</b>	<b>ELISA</b>
<b>Species reactivity</b>	<b>Anti bilirubin antibody [24G7] is recommended for detection of bilirubin of all animal species since it recognizes the chemical structure of bilirubin which is homogenous among all species. [24G7] also reacts with Biopyrrine, the metabolites of bilirubin.</b>
<b>Target background</b>	<b>Bilirubin is an intermediate of heme degradation. It is an antioxidant and oxidative stress marker. Biopyrrin is the metabolites of bilirubin and an oxidative stress marker as well. Some reports suggested that oxidative stress is increased by psychological stress such as speech stress, subjective stress, social stress, and mental disorders, showing an elevated level of biopyrrin accordingly.</b>
<b>Amount</b>	<b>100 µg</b>
<b>Form</b>	<b>Liquid</b>
<b>Storage</b>	<b>Store at -20°C. Stable for 12 months at -20°C. Please avoid repeated freeze-thaw cycles.</b>
<b>Storage buffer</b>	<b>D-PBS(-) 80%, Glycerol 20%</b>
<b>Related products</b>	<b>Biopyrrine ELISA kits (Catalog # : BP01DE)</b>
<b>References</b>	<b>1) Yamaguchi, T., Shioji, I., Sugimoto, A., Komoda, Y., &amp; Nakajima, H. Epitope of 24G7 anti-bilirubin monoclonal antibody. Biochimica et Biophysica Acta (BBA)-General Subjects, 1289 (1), 110-114. 1996</b>

**Manufacturing-and-selling contractor**

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