

**MOUSE CD123 PROTEIN, HIS TAG****Cat.#:** 12127**Product Name:** Mouse CD123 Protein**Size:** 10 µg, 50 µg and 100 µg**Synonyms:** CD123;CDw123;SUT-1**Target:** CD123**UNIPROT ID:** P26952**Description:** Recombinant mouse CD123 protein with C-terminal 6xHis tag**Background:** In mouse, there are two classes of high-affinity IL3 receptors. One contains an IL3-specific beta subunit and the other contains the beta subunit also shared by high-affinity IL5 and GM-CSF receptors.[UniProtKB/Swiss-Prot Function]**Species/Host:** HEK293**Molecular Weight:** The protein has a predicted molecular mass of 35.3 kDa after removal of the signal peptide. The apparent molecular mass of mCD123-His is approximately 55–70 kDa due to glycosylation.**Molecular Characterization:** Mouse CD123(Ser17–Lys331) 6×His tag**Purity:** The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.**Formulation & Reconstitution:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.**Storage & Shipping:** Store at –20°C to –80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at –80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.



Figure 1. Mouse CD123 Protein, His Tag on SDS-PAGE under reducing condition.