

## Native Cynomolgus Monkey Alpha-1-Acid Glycoprotein 1

<b>Catalog No.</b>	CNK100A	<b>Quantity:</b>	100 µg
	CNK100B		1.0 mg

**Alternate Names:** Alpha-1-acid glycoprotein 1, AGP 1, Orosomucoid-1, OMD 1

**Description:** Alpha-1-acid glycoprotein 1 is a classical standard glycoprotein for studies on the structure of the oligosaccharide units. Carbohydrate content is 40%. Its biological significance is unknown although it can bind progesterone 15 times as strongly as albumin. Sialic-acid-deficient alpha-1-AG has an affinity for vitamin B-12. Clinically, alpha 1 acid glycoprotein is an acute-phase reactant that together with haptoglobin is an indicator of acute inflammation. The alpha 1 acid glycoprotein:haptoglobin ratio is useful in studies of bone marrow disorders, hemolytic processes and metastases.

**Source:** *Macaca fascicularis* plasma

**Molecular Weight:** ~55 kDa

**Formulation:** Lyophilized from a salt free solution.

**Purity:** >95% by SDS-PAGE analysis

**Extinction Coefficient:**  $E^{0.1\%}_{280\text{nm}} = 0.89$

**Reconstitution:** **Centrifuge vial prior to opening.** Add deionized water to fully solubilize the protein. Aliquot and freeze unused portion.

**Country of Origin:** Cynomolgus Monkey plasma used to purify the Alpha 1 Acid Glycoprotein was obtained from healthy animals of US origin and under the care of a registered veterinarian

**Storage & Stability:** Store at -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -80°C. **Avoid repeated freeze-thaw cycles.**

**Infectious Disease Statement:** Prepared from donor monkeys that have been individually tested for B-Virus (Herpes Virus Simiae) and found to be negative

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