**Dog C-Reactive Protein**

Catalog No. 8101-L

Analysis SDS PAGE: ~20 kDa doublet on Laemmli reducing gels.

Purity ≥95%

Size 1 mg / vial

Format Lyophilized from 0.20 ml of a 5 mg/ml solution of CRP in 100 mM Tris.Cl (pH 7.5), 200 mM NaCl, 2 mM CaCl$_2$, 0.05% NaN$_3$.

Storage -20 °C prior to reconstitution. After reconstitution it should be aliquoted and stored at or below -20°C (avoid repeated freeze-thaws).

Reconstitution Reconstitute with 0.20 ml of water. If dilution is required, use 100 mM Tris.Cl (pH 7.5), 200 mM NaCl, 2 mM CaCl$_2$, 0.05% NaN$_3$.

Dog C-Reactive protein (CRP) is a pentameric serum protein belonging to the pentraxin family that is comprised of five ~20 kDa subunits, two of which are glycosylated. It is a positive acute phase reactant, the levels of which increase significantly in dogs (> 10-fold) in response to inflammation, tissue injury or disease. CRP is purified at Life Diagnostics by multiple affinity chromatography steps.

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1 Lyophilized Dog CRP is stable for at least 3 weeks at room temperature.