

Life Diagnostics, Inc.

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Rabbit α -1-Acid Glycoprotein

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|---------------|---|
| Catalog No. | 8356 |
| Analysis | SDS PAGE: ~44 kDa band, $\geq 95\%$ |
| Concentration | 0.2 - 2 mg/ml (Assuming an E_{280} of 27,180 $\text{cm}^{-1}\text{M}^{-1}$ and a molecular weight of 44,000 Da) |
| Buffer | 150 mM NaCl, 10 mM sodium phosphate, 0.05% NaN_3 (pH 7.4) |
| Storage | -20°C |
| Source | Normal rabbit serum |

α -1-Acid glycoprotein (A1AGP) is one of the most acidic proteins found in serum. It has a molecular weight of approximately 44 kDa with a high (~45%) content of carbohydrate. The molecular weight of the non-glycosylated polypeptide is 23.03 kDa. It is a positive acute phase reactant in most, if not all, mammals. Studies in rabbits have shown that A1AGP mRNA levels increase during the acute phase response. However, changes in rabbit A1AGP protein levels during the acute phase response have not yet been investigated. A1AGP is purified using a combination of acid extraction, precipitation, gel filtration and ion-exchange chromatography steps.

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