

Chicken Alpha 1-Acid Glycoprotein ELISA Kit | Orm1 elisa kit

Chicken Alpha 1-Acid Glycoprotein (AGP) ELISA Kit

CATALOG # AAA76900	REACTIVITY Chicken
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PRODUCT SYNONYMS

Alpha 1-Acid Glycoprotein; Chicken Alpha 1-Acid Glycoprotein (AGP) ELISA Kit; Chicken Alpha 1-Acid Glycoprotein; Orm1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Samples	Immunoperoxidase Assay for Determination of AGP in Chicken Samples
Assay Type	Sandwich
Intended Uses	The AGP test kits are a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring AGP in biological fluid of chickens.

ADDITIONAL INFORMATION

Related Product Information for Orm1 elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the AGP present in samples reacts with the anti-AGP antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-AGP antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound AGP. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of AGP in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of AGP in the test sample. The quantity of AGP in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Background: AGP is a 52 kDa serine protease inhibitor (serpin) in blood, which protects tissue from enzymes from inflammatory cells, especially elastase. In certain acute phase inflammatory reactions, AGP is elevated in order to limit the damage caused by activated neutrophil granulocytes and their enzyme elastase. Disorders of AGP include AGP deficiency, a hereditary disorder that can lead to severe tissue breakdown during inflammation. This may result in pulmonary emphysema and liver cirrhosis, in severe cases. Genetic variants of AGP do occur.
Product Categories/Family for Orm1 elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	16757980
NCBI GeneID	24614
NCBI Accession #	NP_445740.1
NCBI GenBank Nucleotide #	NM_053288.1
UniProt Accession #	P02764
Molecular Weight	23,575 Da
NCBI Official Full Name	alpha-1-acid glycoprotein
NCBI Official Synonym Full Names	orosomuroid 1

NCBI Official Symbol	Orm1
NCBI Official Synonym Symbols	AGP; OMD; Orm; Agpa1
NCBI Protein Information	alpha-1-acid glycoprotein
UniProt Protein Name	Alpha-1-acid glycoprotein
UniProt Gene Name	Orm1
UniProt Entry Name	A1AG_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/chicken-elisa-kits/alpha-1-acid-glycoprotein/76900>