

Canine Alpha-1-acid glycoprotein 1 (ORM1) ELISA Kit | ORM1 elisa kit

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CATALOG #
AAA27211

REACTIVITY
Canine

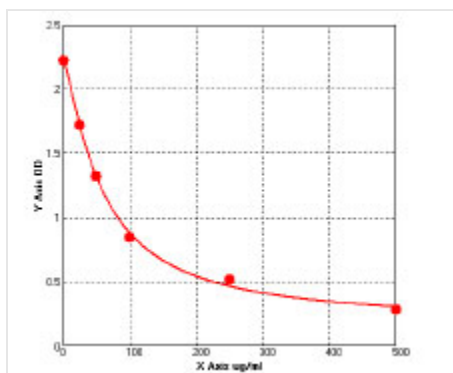
PRODUCT SYNONYMS

Alpha-1-acid glycoprotein 1 (ORM1); Canine Alpha-1-acid glycoprotein 1 (ORM1) ELISA Kit; ORM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of ORM1. No significant cross-reactivity or interference between ORM1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ORM1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ug/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ORM1 elisa kit	Intended Uses: This ORM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ORM1. This ELISA kit for research use only! Principle of the Assay: ORM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ORM1 antibody and an ORM1-HRP conjugate. The assay sample and buffer are incubated together with ORM1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ORM1 concentration since ORM1 from samples and ORM1-HRP conjugate compete for the anti-ORM1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ORM1 from the sample, fewer sites are left to bind ORM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ORM1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ORM1 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	167857790
NCBI GeneID	5004
NCBI Accession #	NP_000598.2
NCBI GenBank Nucleotide #	NM_000607.2
Molecular Weight	23,512 Da
NCBI Official Full Name	alpha-1-acid glycoprotein 1
NCBI Official Synonym Full Names	orosomucoid 1
NCBI Official Symbol	ORM1
NCBI Official Synonym Symbols	ORM; AGP1; AGP-A; HEL-S-153w
NCBI Protein Information	alpha-1-acid glycoprotein 1; AGP 1; OMD 1; orosomucoid-1; epididymis secretory sperm binding protein Li 153w
UniProt Protein Name	Alpha-1-acid glycoprotein 1
UniProt Gene Name	ORM1
UniProt Synonym Gene Names	AGP1; AGP 1; OMD 1
UniProt Entry Name	A1AG1_HUMAN

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://stage.aaabiotech.com/canine-elisa-kits/alpha-1-acid-glycoprotein-1-orm1/27211>