

Human Orosomucoid 1 ELISA Kit | ORM1 elisa kit

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CATALOG #
AAA263071

REACTIVITY
Human

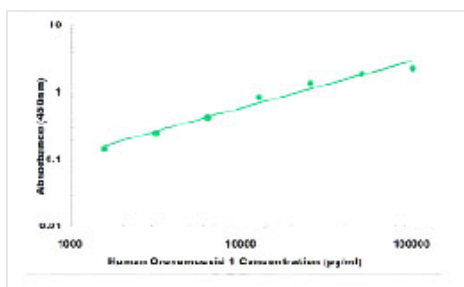
PRODUCT SYNONYMS

Orosomucoid 1; Human Orosomucoid 1 ELISA Kit; AGP1; Alpha-1-acid glycoprotein 1; AGP 1; Orosomucoid-1; OMD 1; ORM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human Orosomucoid 1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human Orosomucoid 1 proteins within the range of 1560 pg/ml - 100000 pg/ml.
Sequence Length	201
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<150 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ORM1 elisa kit

Principle of the Assay: The Human Orosomucoid 1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human Orosomucoid 1 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Human Orosomucoid 1 coated on a 96-well plate. Standards and samples are pipetted into the wells and Orosomucoid 1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human Orosomucoid 1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of Orosomucoid 1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Alpha-1-acid glycoprotein, or orosomucoid, is a relatively abundant plasma protein synthesized in the liver. It has a molecular weight of 40,000 Da and is a single polypeptide chain of about 180 amino acids. AGP is considered an acute phase reactant; its plasma levels increase several fold during acute infections. It belongs to the lipocalin family and binds numerous basic and neutral lipophilic drugs and steroid hormones. And this gene is located in 9q34.3-qter.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167857790
NCBI GeneID	5004
NCBI Accession #	NP_000598.2
NCBI GenBank Nucleotide #	NM_000607.2
UniProt Accession #	P02763; Q5T539; Q5U067; Q8TC16; B7ZKQ5; AAB33887
Molecular Weight	23,512 Da
NCBI Official Full Name	alpha-1-acid glycoprotein 1
NCBI Official Synonym Full Names	orosomuroid 1
NCBI Official Symbol	ORM1
NCBI Official Synonym Symbols	ORM; AGP1; AGP-A; HEL-S-153w
NCBI Protein Information	alpha-1-acid glycoprotein 1
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/orm1-human-elisa-kits/orosomuroid-1/263071>