# Human Diacylglycerol-O-Acyltransferase Homolog 2 (DGAT2) ELISA Kit | DGAT2 elisa kit

Human Diacylglycerol-O-Acyltransferase Homolog 2 (DGAT2) ELISA Kit

| CATALOG # | REACTIVITY |
|---|---|
| **AAA41222** | **Human** |

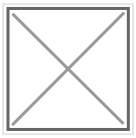
## PRODUCT SYNONYMS

Diacylglycerol-O-Acyltransferase Homolog 2 (DGAT2); Human Diacylglycerol-O-Acyltransferase Homolog 2 (DGAT2) ELISA Kit; DGAT2 elisa kit

## PRODUCT SPECIFICATIONS

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| **Reactivity** | Human |
| **Sequence Length** | 345 |
| **Samples** | Serum, plasma, cell culture supernates, ascites, tissue homogenates or other biological fluids |
| **Assay Type** | Quantitative Sandwich |
| **Detection Range** | 0.2-60ng/ml |
| **Sensitivity** | 0.12ng/ml |
| **Intra-assay Precision** | Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8% |
| **Inter-assay Precision** | Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10% |
| **Preparation and Storage** | Store at 2 to 8 degree C for 6 months. |

## IMAGES



**Standard Curve (Sample)**

## ADDITIONAL INFORMATION

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| **Related Product Information for DGAT2 elisa kit** | Intended Uses: This sandwich kit is for the accurate quantitative detection of Human Diacylglycerol-O-Acyltransferase Homolog 2 (also known as DGAT2) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.<br><br>Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human DGAT2 antibody. DGAT2 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human DGAT2 Antibody is added and binds to DGAT2 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated DGAT2 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human DGAT2. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm. |

## NCBI AND UNIPROT INFORMATION

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| **NCBI GI #** | 359806523 |

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| **NCBI GeneID** | 84649 |
| **NCBI Accession #** | NP_001240820.1 |
| **NCBI GenBank Nucleotide #** | NM_001253891.1 |
| **UniProt Accession #** | Q96PD7; Q5U810; Q68CL3; Q68DJ0; Q8NDB7; Q96BS0; Q9BYE5; A6ND76 |
| **Molecular Weight** | 39,044 Da |
| **NCBI Official Full Name** | diacylglycerol O-acyltransferase 2 isoform 2 |
| **NCBI Official Synonym Full Names** | diacylglycerol O-acyltransferase 2 |
| **NCBI Official Symbol** | DGAT2 |
| **NCBI Official Synonym Symbols** | ARAT; HMFN1045; GS1999FULL |
| **NCBI Protein Information** | diacylglycerol O-acyltransferase 2 |
| **UniProt Protein Name** | Diacylglycerol O-acyltransferase 2 |
| **UniProt Gene Name** | **DGAT2** |
| **UniProt Synonym Gene Names** | ARAT; Retinol O-fatty-acyltransferase |

**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/human-elisa-kits/diacylglycerol-o-acyltransferase-homolog-2-dgat2/41222