

Rat 5-aminolevulinate synthase, erythroid-specific ELISA Kit | ALAS2 elisa kit

Rat 5-aminolevulinate synthase, erythroid-specific, mitochondrial (ALAS2) ELISA Kit

CATALOG # AAA55935	REACTIVITY Rat
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PRODUCT SYNONYMS

5-aminolevulinate synthase; erythroid-specific; Rat 5-aminolevulinate synthase; mitochondrial (ALAS2) ELISA Kit; ASB; XLSA; ALASE; ANH1; Sideroblastic/Hypochromic Anemia; Delta-ALA synthase 2; 5-aminolevulinic acid synthase 2; mitochondrial; ALAS2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat ALAS2. No significant cross-reactivity or interference between Rat ALAS2 and analogues was observed.
Sequence Length	574
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	62.5 pg/mL - 4000 pg/mL
Sensitivity	31.25 pg/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times 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 forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for ALAS2 elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ALAS2 in Rat serum, plasma, tissue homogenates. An antibody specific for ALAS2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ALAS2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ALAS2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ALAS2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Intended Uses: For the quantitative detection of Rat 5-aminolevulinate synthase, erythroid-specific, mitochondrial (ALAS2) concentration in serum, plasma, tissue homogenates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978485
NCBI GeneID	25748
NCBI Accession #	NP_037329.1
NCBI GenBank Nucleotide #	NM_013197.1

UniProt Accession #	Q63147; Q63895
Molecular Weight	64,842 Da
NCBI Official Full Name	5-aminolevulinate synthase, erythroid-specific, mitochondrial
NCBI Official Synonym Full Names	5'-aminolevulinate synthase 2
NCBI Official Symbol	Alas2
NCBI Protein Information	5-aminolevulinate synthase, erythroid-specific, mitochondrial
UniProt Protein Name	5-aminolevulinate synthase, erythroid-specific, mitochondrial
UniProt Gene Name	Alas2
UniProt Synonym Gene Names	Alase; ALAS-E

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/alas2-rat-elisa-kits/5-aminolevulinate-synthase-erythroid-specific/55935>