

Human glucocorticoid receptor-alpha ELISA Kit | GR-alpha elisa kit

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CATALOG #
AAA16013

REACTIVITY
Human

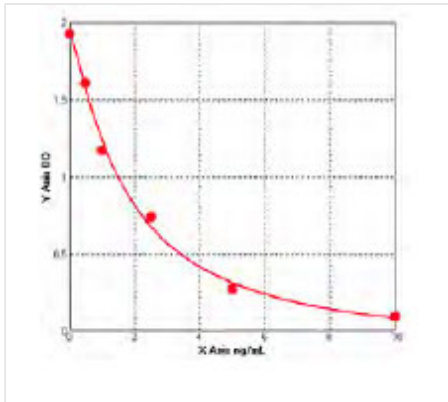
PRODUCT SYNONYMS

glucocorticoid receptor-alpha; Human glucocorticoid receptor-alpha ELISA Kit; glucocorticoid receptor-a; glucocorticoid receptor-alpha (Human); GR-alpha elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Human Serum And Cell Lysate
Assay Type	Sandwich
Sensitivity	6 ng/ml.
Intra-assay Precision	The low, medium, high spiked sample was tested four times on one plate to assess intra-assay precision
Inter-assay Precision	The low, medium, high spiked sample was tested in four separate assays to assess inter-assay precision
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GR-alpha elisa kit	Intended Uses: This GRS ELISA kit is to be used for the determination of Glycyl-tRNA synthetase (GRS) in human serum and cell lysate. This kits is intended for research use only!!Background/Introduction: GRS ELISA kit applies a technique called sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody fragments specific for GRS. This GRS ELISA kit is to be used for the determination of GRS in human serum and cell lysate. As ancient proteins that arose as part of the development of the genetic code, aminoacyl-tRNA synthetases (ARSSs) are essential components of the translation apparatus. The 20 enzymes, 1 for each amino acid, catalyze the attachment of each amino acid to its cognate tRNA in the cytoplasm, where the charged tRNAs are then used for ribosomal protein synthesis(1). Glycyl-tRNA synthetase (GRS) autoantibodies were detected in serum of subjects with cancer(2). In part because of our ongoing investigations of its novel functions, we focused on GRS. GRS can be secreted from macrophages in response to Fas ligand that is released from tumor cells. Through cadherin (CDH)6 (K-cadherin), GRS bound to different ERK-activated tumor cells, and released phosphatase 2A (PP2A) from CDH6. The activated PP2A then suppressed ERK signaling through dephosphorylation of ERK and induced apoptosis.With in vivo administration of GRS, growth of tumors with a high level of CDH6 and ERK activation were strongly suppressed. These observations led us to attempt to understand a potential role for GRS as a secreted protein in a cancer microenvironment (3).
Product Categories/Family for GR-alpha elisa kit	Human ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	38639409
NCBI GeneID	281946
UniProt Accession #	Q865Y6; Q28023; Q3HUQ5; Q3T0X1
Molecular Weight	64,824 Da
NCBI Official Full Name	glucocorticoid receptor alpha
NCBI Official Symbol	NR3C1
NCBI Official Synonym Symbols	GR-A
NCBI Protein Information	glucocorticoid receptor; glucocorticoid receptor alpha
UniProt Protein Name	Glucocorticoid receptor alpha
UniProt Entry Name	Q865Y6_BOVIN

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/gr-alpha-human-elisa-kits/glucocorticoid-receptor-alpha/16013>