

Human GIF ELISA Kit | GIF elisa kit

Human GIF PicoKine ELISA Kit

CATALOG #
AAA125215

REACTIVITY
Human

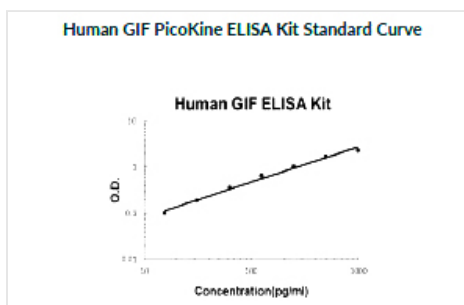
PRODUCT SYNONYMS

GIF; Human GIF PicoKine ELISA Kit; Human GIF; Cobalamin binding intrinsic factor; Gastric intrinsic factor; Intrinsic factor; IF; INF; CBLIF; GIF elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CBLIF
Sequence Length	417
Samples	Cell culture supernates, serum and plasma (heparin, EDTA, citrate)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<10pg/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.
Inter-assay Precision	Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months. Store at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GIF elisa kit	Principle of the Assay: The Picokine™ Human CBLIF Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CBLIF with a 96-well strip plate that is pre-coated with antibody specific for CBLIF. The detection antibody is a biotinylated antibody specific for CBLIF. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human CBLIF with immunogen: Expression system for standard: NSO, Immunogen sequence: S19-Y417. The kit is analytically validated with ready to use reagents. To measure Human CBLIF, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human CBLIF in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CBLIF in the sample.!!Background/Introduction: Intrinsic factor (IF), also known as gastric intrinsic factor (GIF), is a glycoprotein produced by the parietal cells of the stomach. It is necessary for the absorption of vitamin B12 later on in the ileum of the small intestine. In humans, the gastric intrinsic factor protein is encoded by the GIF gene. It is mapped to 11q12.1. Haptocorrin (also known as HC, R protein, and transcobalamin I, TCN1) is another glycoprotein secreted by the salivary glands which binds to vitamin B12. Vitamin B12 is acid sensitive and in binding to transcobalamin I it can safely pass through the acidic stomach to the duodenum. In the less acidic environment of the small intestine, pancreatic enzymes digest the glycoprotein carrier and vitamin B12 can then bind to intrinsic factor
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62906845
NCBI GeneID	2694
UniProt Accession #	P27352
NCBI Official Full Name	Cobalamin binding intrinsic factor
NCBI Official Synonym Full Names	cobalamin binding intrinsic factor
NCBI Official Symbol	CBLIF
NCBI Official Synonym Symbols	IF; GIF; INF; IFMH; TCN3
NCBI Protein Information	cobalamin binding intrinsic factor
UniProt Protein Name	Gastric intrinsic factor
UniProt Gene Name	GIF
UniProt Synonym Gene Names	IFMH; IF; INF
UniProt Entry Name	IF_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/human-elisa-kits/gif/125215>