

Human Complement Factor B Precursor (pre-CFB) ELISA Kit | pre-CFB elisa kit

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CATALOG #
AAA331356

REACTIVITY
Human

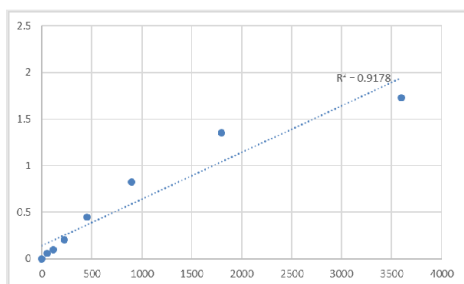
PRODUCT SYNONYMS

Complement Factor B Precursor (pre-CFB); Human Complement Factor B Precursor (pre-CFB) ELISA Kit; pre-CFB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Complement factor B precursor (pre-CFB) ELISA Kit has high sensitivity and excellent specificity for detection of Human pre-CFB. No significant cross-reactivity or interference between Human pre-CFB and analogues was observed.
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Complement factor B precursor (pre-CFB) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for pre-CFB elisa kit	Description: This Human Complement factor B precursor (pre-CFB) ELISA Kit employs a two-site sandwich ELISA to quantitate pre-CFB in samples. An antibody specific for pre-CFB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any pre-CFB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for pre-CFB 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 pre-CFB bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: CFB encodes complement factor B, a component of the alternative pathway of complement activation. Factor B circulates in the blood as a single chain polypeptide. Upon activation of the alternative pathway, it is cleaved by complement factor D yielding the noncatalytic chain Ba and the catalytic subunit Bb. The active subunit Bb is a serine protease which associates with C3b to form the alternative pathway C3 convertase. Bb is involved in the proliferation of preactivated B lymphocytes, while Ba inhibits their proliferation. CFB localizes to the major histocompatibility complex (MHC) class III region on chromosome 6. This cluster includes several genes involved in regulation of the immune reaction. Polymorphisms in this gene are associated with a reduced risk of age-related macular degeneration. The polyadenylation site of this gene is 421 bp from the 5' end of CFB for complement component 2.
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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/complement-factor-b-precursor-pre-cfb/331356>