

Mouse Prostaglandin D2 (PGD2) ELISA Kit | PGD2 elisa kit

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CATALOG #
AAA332404

REACTIVITY
Mouse

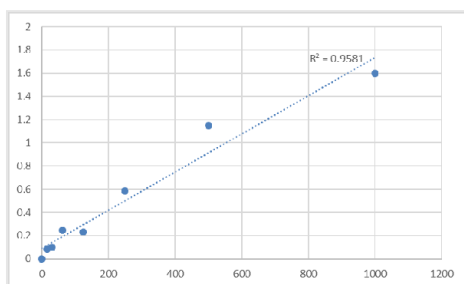
PRODUCT SYNONYMS

Prostaglandin D2 (PGD2); Mouse Prostaglandin D2 (PGD2) ELISA Kit; PGD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Prostaglandin D2 (PGD2) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse PGD2. No significant cross-reactivity or interference between Mouse PGD2 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. Mouse Prostaglandin D2 (PGD2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PGD2 elisa kit	Description: This Mouse Prostaglandin D2 (PGD2) ELISA Kit employs a two-site sandwich ELISA to quantitate PGD2 in samples. An antibody specific for PGD2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PGD2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PGD2 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 PGD2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PGD2 is a prostaglandin which binds to the receptor PTGDR, as well as CRTH2. It is a major prostaglandin produced by mast cells - recruits Th2 cells, eosinophils, basophils. In mammalian organs, large amounts of PGD2 are found in the brain, in mast cells and found nowhere else. It is critical to development of allergic diseases such as asthma. Causes a contraction of the bronchial airways. The concentration of PGD2 in asthma-patients is 10 times higher than in control patients, especially after it is brought into contact with allergens. Involved in the regulation of reducing body temperature, in sleep, and acts opposite to prostaglandin E2.
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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/mouse-elisa-kits/prostaglandin-d2-pgd2/332404>