

Canine Recombination activating gene 1 ELISA Kit | PAG-1 elisa kit

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CATALOG #
AAA91010

REACTIVITY
Canine

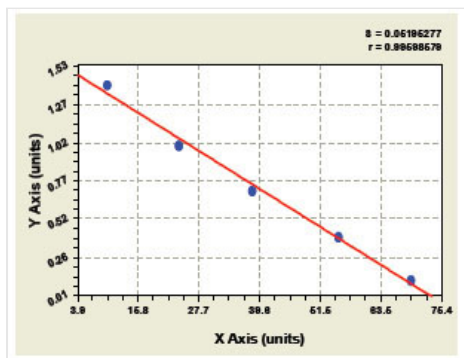
PRODUCT SYNONYMS

Recombination activating gene 1; Canine Recombination activating gene 1 ELISA Kit; PAG-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This RAG-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine RAG-1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PAG-1 elisa kit

Principle of the Assay: RAG-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-RAG-1 antibody and an RAG-1-HRP conjugate. The assay sample and buffer are incubated together with RAG-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the RAG-1 concentration since RAG-1 from samples and RAG-1-HRP conjugate compete for the anti-RAG-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by RAG-1 from the sample, fewer sites are left to bind RAG-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RAG-1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27806043
NCBI GeneID	281964
NCBI Accession #	NP_776836.1
NCBI GenBank Nucleotide #	NM_174411.2
Molecular Weight	42,847 Da
NCBI Official Full Name	pregnancy-associated glycoprotein 1
NCBI Official Symbol	PAG1
NCBI Official Synonym Symbols	PAG1B
NCBI Protein Information	pregnancy-associated glycoprotein 1; PAG 1; PSP-B; pregnancy-specific protein B
UniProt Protein Name	Pregnancy-associated glycoprotein 1
UniProt Gene Name	PAG 1
UniProt Synonym Gene Names	PSP-B
UniProt Entry Name	PAG1_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/pag-1-canine-elisa-kits/recombination-activating-gene-1/91010>