

Rabbit Recombination activating gene 2 ELISA Kit | RAG-2 elisa kit

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CATALOG # AAA82330	REACTIVITY Rabbit
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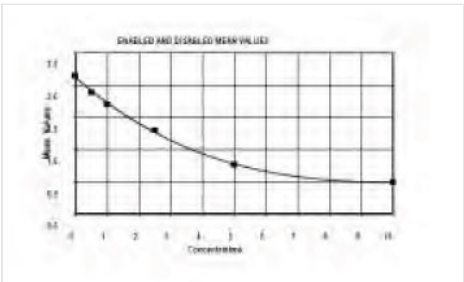
PRODUCT SYNONYMS

Recombination activating gene 2; Rabbit Recombination activating gene 2 ELISA Kit; RAG-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	10-250ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RAG-2 elisa kit	For Samples: Cell culture fluid, body fluid, tissue homogenate, serum and blood plasma Intended Uses: This RAG2 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of RAG2 in the sample, this RAG2 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus RAG2 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of RAG2 utilizes a multiclonal anti-RAG2 antibody and an RAG2-HRP conjugate. The assay sample and buffer are incubated together with RAG2-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 RAG2 concentration since RAG2 from samples and RAG2-HRP conjugate compete for the anti-RAG2 antibody binding site. Since the number of sites is limited, as more sites are occupied by RAG2 from the sample, fewer sites are left to bind RAG2-HRP conjugate. Standards of known RAG2 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of RAG2. The RAG2 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	55741443
NCBI GeneID	396749
NCBI Accession #	NP_001001536.2
NCBI GenBank Nucleotide #	NM_001001536.2
Molecular Weight	47,132 Da
NCBI Official Full Name	pregnancy-associated glycoprotein 2
NCBI Official Symbol	PAG6
NCBI Official Synonym Symbols	PAG2; PAG10
NCBI Protein Information	pregnancy-associated glycoprotein 2; PAG 2; aspartic proteinase; pregnancy-associated glycoprotein 10
UniProt Protein Name	Pregnancy-associated glycoprotein 2
UniProt Gene Name	PAG2
UniProt Synonym Gene Names	PAG 2
UniProt Entry Name	PAG2_PIG

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.