

Mouse H-2 class II histocompatibility antigen, A-B alpha chain ELISA Kit | H2-ABa elisa kit

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CATALOG #
AAA56257

REACTIVITY
Mouse

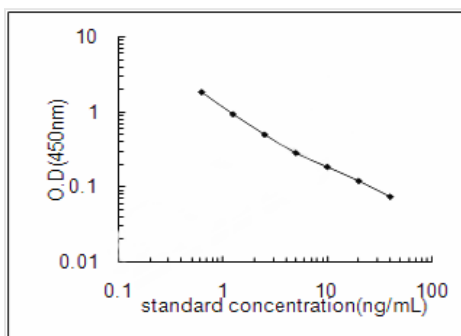
PRODUCT SYNONYMS

H-2 class II histocompatibility antigen; A-B alpha chain; Mouse H-2 class II histocompatibility antigen; A-B alpha chain ELISA Kit; H2-ABa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay recognizes recombinant and natural Mouse IAalpha. No significant cross-reactivity or interference was observed.
Sequence Length	256
Assay Type	Competitive
Detection Range	0.625-40 ng/mL
Sensitivity	0.325 ng/mL
Intra-Assay CV	<=4.3%
Inter-Assay CV	<=7.5%
Recovery	97%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for H2-ABa elisa kit	Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to IAalpha. During the reaction, IAalpha in the sample or standard competes with a fixed amount of biotin-labeled IAalpha for sites on a pre-coated Monoclonal antibody specific to IAalpha. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of IAalpha in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31981716
NCBI GeneID	14960
NCBI Accession #	NP_034508.2
NCBI GenBank Nucleotide #	NM_010378.2
UniProt Accession #	P14434; O78195; P04228; P14435; P23150; P04227; P14436; P14437; P14438; P01910
Molecular Weight	28,093 Da
NCBI Official Full Name	histocompatibility 2, class II antigen A, alpha
NCBI Official Synonym Full Names	histocompatibility 2, class II antigen A, alpha
NCBI Official Symbol	H2-Aa
NCBI Official Synonym Symbols	Ia1; H2Aa; Ia-1; H-2Aa; Aalpha; IAalpha; I-Aalpha
NCBI Protein Information	histocompatibility 2, class II antigen A, alpha
UniProt Protein Name	H-2 class II histocompatibility antigen, A-B alpha chain
UniProt Gene Name	H2-Aa
UniProt Synonym Gene Names	IAalpha
UniProt Entry Name	HA2B_MOUSE

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/h2-aba-mouse-elisa-kits/h-2-class-ii-histocompatibility-antigen-a-b-alpha-chain/56257>