

Human Olfactory receptor 2AE1 (OR2AE1) ELISA Kit | R2AE1 elisa kit

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CATALOG #
AAA245255

REACTIVITY
Human

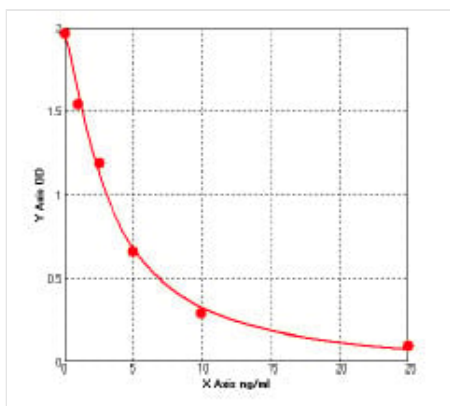
PRODUCT SYNONYMS

Olfactory receptor 2AE1 (OR2AE1); Human Olfactory receptor 2AE1 (OR2AE1) ELISA Kit; R2AE1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of OR2AE1. No significant cross-reactivity or interference between OR2AE1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OR2AE1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for R2AE1 elisa kit	Principle of the Assay: OR2AE1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-OR2AE1 antibody and an OR2AE1-HRP conjugate. The assay sample and buffer are incubated together with OR2AE1-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 OR2AE1 concentration since OR2AE1 from samples and OR2AE1-HRP conjugate compete for the anti-OR2AE1 antibody binding site. Since the number of sites is limited, as more sites are occupied by OR2AE1 from the sample, fewer sites are left to bind OR2AE1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OR2AE1 concentration in each sample is interpolated from this standard curve. Intended Uses: This OR2AE1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human OR2AE1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for R2AE1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	52627151
NCBI GeneID	81392
NCBI Accession #	NP_001005276.1
NCBI GenBank Nucleotide #	NM_001005276.1
Molecular Weight	36,588 Da
NCBI Official Full Name	olfactory receptor 2AE1
NCBI Official Synonym Full Names	olfactory receptor, family 2, subfamily AE, member 1
NCBI Official Symbol	OR2AE1
NCBI Official Synonym Symbols	OR2AE2
NCBI Protein Information	olfactory receptor 2AE1; olfactory receptor 2AE2; olfactory receptor, family 2, subfamily AE, member 2
UniProt Protein Name	Olfactory receptor 2AE1
UniProt Gene Name	OR2AE1
UniProt Synonym Gene Names	OR2AE2
UniProt Entry Name	O2AE1_HUMAN

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://www.aaabiotech.com/r2ae1-human-elisa-kits/olfactory-receptor-2ae1-or2ae1/245255>