Olfactory Receptor 4c3 (OR4C3) ELISA Kit for Monkey

PRODUCT OVERVIEW

Product Name	Olfactory receptor 4C3 (OR4C3), ELISA Kit
Full Product Name	Monkey Olfactory receptor 4C3 (OR4C3) ELISA Kit
Product Gene Name	OR4C3 elisa kit
Species Reactivity	Monkey
Assay Type	Competitive
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	33,726 Da
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for OR4C3 elisa kit	Neurobiology
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for OR4C3 elisa kit	MBS7205968 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Olfactory receptor 4C3 (OR4C3) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing OR4C3. The ELISA analytical biochemical technique of the MBS7205968 kit is based on OR4C3 antibody-OR4C3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect OR4C3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, OR4C3. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of OR4C3 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR4C3. It may not necessarily be applicable to this product.

NCBI GI #	52317235
NCBI GeneID	256144
NCBI Accession #	NP_001004702.1
UniProt Secondary Accession #	Q6IFB3; B2RNF2
UniProt Related Accession #	Q8NH37
GenBank Nucleotide #	NM_001004702.1
NCBI Official Full Name	olfactory receptor 4C3

NCBI Official Synonym Full Names	olfactory receptor, family 4, subfamily C, member 3
NCBI Official Symbol	OR4C3
NCBI Official Synonym Symbols	OR11-98
UniProt Protein Name	Olfactory receptor 4C3
UniProt Synonym Protein Names	Olfactory receptor OR11-98
Protein Family	Olfactory receptor
UniProt Gene Name	OR4C3
UniProt Entry Name	OR4C3_HUMAN
NCBI Protein Information	olfactory receptor 4C3; olfactory receptor OR11-98
NCBI Summary for OR4C3	Olfactory receptors interact with odorant molecules in the nose, to initiate a neuronal response that triggers the perception of a smell. The olfactory receptor proteins are members of a large family of G-protein-coupled receptors (GPCR) arising from single coding-exon genes. Olfactory receptors share a 7-transmembrane domain structure with many neurotransmitter and hormone receptors and are responsible for the recognition and G protein-mediated transduction of odorant signals. The olfactory receptor gene family is the largest in the genome. The nomenclature assigned to the olfactory receptor genes and proteins for this organism is independent of other organisms. [provided by RefSeq, Jul 2008]
UniProt Comments for OR4C3	OR4C3: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Membrane protein, multi-pass; GPCR, family 1; Membrane protein, integral; Receptor, GPCR Chromosomal Location of Human Ortholog: 11p11.2 Cellular Component: plasma membrane; integral to membrane Molecular Function: G-protein coupled receptor activity; transmembrane receptor activity; olfactory receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; detection of chemical stimulus involved in sensory perception; detection of chemical stimulus involved in sensory perception of smell
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/monkey-elisa-kits/olfactory-receptor-4c3-or4c3/7205968