OR4D2 Antibody (C-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	OR4D2, Blocking Peptide
Full Product Name	OR4D2 Antibody (C-term) Blocking Peptide
Product Gene Name	OR4D2 blocking peptide
Product Synonym Names	Olfactory receptor 4D2; B-lymphocyte membrane protein BC2009; Olfactory receptor OR17-24; OR4D2
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	OR4D2 peptide (MBS9221663) is used for blocking the activity of OR4D2 antibody (MBS9213887)
Molecular Weight	34,958 Da
Cellular Location	Cell membrane; Multi-pass membrane protein.
Related Product Information for OR4D2 blocking peptide	MBS9221663 is a blocking peptide targeting OR4D2. Also known as OR4D2 Antibody (C-term) Blocking Peptide. Odorant receptor.
Other Notes	Small volumes of OR4D2 blocking peptide 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 OR4D2. It may not necessarily be applicable to this product.

NCBI GI #	14423786
NCBI GeneID	124538
NCBI Accession #	P58180.1
UniProt Primary Accession #	P58180
UniProt Secondary Accession #	Q6IFN8; Q96R75
UniProt Related Accession #	P58180
NCBI Official Full Name	Olfactory receptor 4D2
NCBI Official Synonym Full Names	olfactory receptor family 4 subfamily D member 2
NCBI Official Symbol	OR4D2
NCBI Official Synonym Symbols	BC2009; OR17-24
UniProt Protein Name	Olfactory receptor 4D2
UniProt Synonym Protein Names	B-lymphocyte membrane protein BC2009; Olfactory receptor OR17-24
Protein Family	Olfactory receptor
UniProt Gene Name	OR4D2
UniProt Entry Name	OR4D2_HUMAN
NCBI Protein Information	olfactory receptor 4D2

NCBI Summary for OR4D2	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 OR4D2	OR4D2: Odorant receptor (Potential). Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, multi-pass; GPCR, family 1; Membrane protein, integral Chromosomal Location of Human Ortholog: 17q22 Cellular Component: integral to membrane; plasma membrane Molecular Function: transmembrane receptor activity Biological Process: detection of chemical stimulus involved in sensory perception; G-protein coupled receptor protein signaling pathway
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