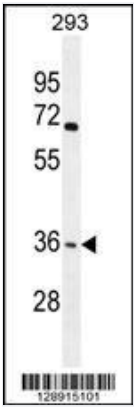
OR4F15 Antibody – Rabbit Polyclonal

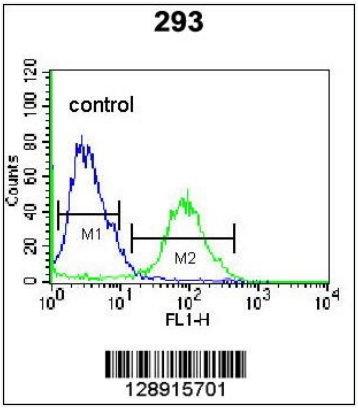
PRODUCT OVERVIEW

Product Name	OR4F15, Polyclonal Antibody
Full Product Name	OR4F15, NT (OR4F15, Olfactory receptor 4F15, Olfactory receptor OR15-14) (Biotin)
Product Gene Name	anti-OR4F15 antibody
Product Synonym Names	OR4F15; Olfactory receptor 4F15; Olfactory receptor OR15-14
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	35,369 Da
Chromosome Location	Chromosome: 15; NC_000015.9 (102358390..102359328). Location: 15q26.3
3D Structure	ModBase 3D Structure for Q8NGB8
Immunogen	OR4F15 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 76-105 amino acids from the N-terminal region of human OR4F15.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-OR4F15 antibody	Antibodies; Receptors; Olfactory
Applications Tested/Suitable for anti-OR4F15 antibody	Flow Cytometry (FC/FACS), ELISA (EIA), Western Blot (WB)
Application Notes for anti-OR4F15 antibody	FC/FACS: 1:10-50 ELISA: 1:1,000 WB: 1:100-500 Applications are based on unconjugated antibody.
Related Product Information for anti-OR4F15 antibody	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.
Product References and Citations for anti-OR4F15 antibody	Malnic, B., et al. Proc. Natl. Acad. Sci. U.S.A. 101(8):2584-2589(2004). Gilad, Y., et al. Am. J. Hum. Genet. 73(3):489-501(2003). Fuchs, T., et al. Genomics 80(3):295-302(2002).

Other Notes	Small volumes of anti-OR4F15 antibody 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.
Searchable Terms for OR4F15 purchase	MBS6328725 is an antibody targeting OR4F15. Also known as OR4F15, NT (OR4F15, Olfactory receptor 4F15, Olfactory receptor OR15-14) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-OR4F15 antibody
OR4F15 Antibody (N-term) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the OR4F15 antibody detected the OR4F15 protein (arrow).



Flow Cytometry (FC/FACS) of anti-OR4F15 antibody
OR4F15 Antibody (N-term) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram).FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for OR4F15. It may not necessarily be applicable to this product.

NCBI GI #	53828672
NCBI GeneID	390649
NCBI Accession #	NP_001001674.1
UniProt Primary Accession #	Q8NGB8
UniProt Secondary Accession #	Q6IF57; Q96R70; B2RNQ5
UniProt Related Accession #	Q8NGB8
GenBank Nucleotide #	NM_001001674.1
NCBI Official Full Name	olfactory receptor 4F15
NCBI Official Synonym Full Names	olfactory receptor, family 4, subfamily F, member 15
NCBI Official Symbol	OR4F15
UniProt Protein Name	Olfactory receptor 4F15
UniProt Synonym Protein Names	Olfactory receptor OR15-14
Protein Family	Olfactory receptor
UniProt Gene Name	OR4F15
UniProt Entry Name	O4F15_HUMAN
NCBI Protein Information	olfactory receptor 4F15; olfactory receptor OR15-14

UniProt Comments for OR4F15	Function: Odorant receptor Potential. Subcellular location: Cell membrane; Multi-pass membrane protein. Sequence similarities: Belongs to the G-protein coupled receptor 1 family.
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.
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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.

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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/or4f15/6328725