EDEM2 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	EDEM2, Monoclonal Antibody
Full Product Name	EDEM2 (ER Degradation-enhancing alpha-mannosidase-like 2, C20orf31, C20orf49, UNQ573/PRO1135) (MaxLight 650)
Product Gene Name	anti-EDEM2 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2E4
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human C20orf31.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximu recovery of product, centrifuge the original vial prior to removing the cap.
OMIM	610302
3D Structure	ModBase 3D Structure for Q9BV94
Immunogen	Partial recombinant corresponding to aa479-579 from human C20orf31 (NP_060687) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PIDPAALHCCQRLKEEQWEVEDLMREFYSLKRCRSKFQKNTVSSGPWEPPARPGTLFSPENHDQARERKPAKQKVPLLSCPSQPFTSKLALLGQVFLDS
Conjugate	MaxLight650
Product Categories/Family for anti-EDEM2 antibody	Antibodies; Proteins
Applications Tested/Suitable for anti-EDEM2 antibody	FLISA, Immunohistochemistry (IHC) Paraffin, Immunoprecipitation (IP), Western Blot (WB)
Application Notes for anti-EDEM2 antibody	IHC-P: 1.5ug/ml Applications are based on unconjugated antibody.
Related Product Information for anti-EDEM2 antibody	MBS6221942 is an antibody targeting EDEM2. Also known as EDEM2 (ER Degradation-enhancing alpha-mannosidase-like 2, C20orf31, C20orf49, UNQ573/PRO1135) (MaxLight 650). Reactive in Human. Host: Mouse.

Other Notes	Small volumes of anti-EDEM2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for EDEM2. It may not necessarily be applicable to this product.

NCBI GI #	222537737
NCBI Accession #	NP_060687
UniProt Primary Accession #	Q9BV94
GenBank Nucleotide #	NM_018217
NCBI Official Full Name	ER degradation-enhancing alpha-mannosidase-like protein 2 isoform 1
UniProt Protein Name	ER degradation-enhancing alpha-mannosidase-like protein 2
Protein Family	ER degradation-enhancing alpha-mannosidase-like protein
UniProt Gene Name	EDEM2
UniProt Synonym Gene Names	C20orf31; C20orf49
UniProt Entry Name	EDEM2_HUMAN
UniProt Comments for EDEM2	EDEM2: Involved in endoplasmic reticulum-associated degradation (ERAD) that targets misfolded glycoproteins for degradation in an N-glycan-dependent manner. It lacks mannosidase activity. Extracts misfolded glycoproteins, but not glycoproteins undergoing productive folding, from the calnexin cycle. Belongs to the glycosyl hydrolase 47 family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 20q11.22 Cellular Component: endoplasmic reticulum membrane; endoplasmic reticulum lumen; extracellular region Molecular Function: mannosyl-oligosaccharide 1,2-alpha-mannosidase activity; calcium ion binding Biological Process: cellular protein metabolic process; protein folding; protein amino acid N-linked glycosylation via asparagine; post-translational protein modification; response to unfolded protein
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/monoclonal-human-antibody/edem2/6221942