Mouse EEA1-Early Endosome Marker Monoclonal Antibody | anti-EEA1 antibody

EEA1-Early Endosome Marker Conjugated Antibody

CATALOG #	HOST	REACTIVITY
AAA312809	**Mouse**	**Human, Mouse, Rat**

PRODUCT SYNONYMS

EEA1-Early Endosome Marker; Monoclonal Antibody; EEA1-Early Endosome Marker Conjugated Antibody; Early endosome antigen 1 antibody; Early endosome antigen 1; 162kD antibody; Early endosome associated protein antibody; EEA 1 antibody; EEA1 antibody; EEA1_HUMAN antibody; Endosome associated protein p162 antibody; Endosome-associated protein p162 antibody; MST105 antibody; MSTP105 antibody; ZFYVE2 antibody; Zinc finger FYVE domain containing protein 2 antibody; Zinc finger FYVE domain-containing protein 2 antibody; anti-EEA1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Immunogen	Peptide
Conjugation	AF488
Excitation Emission	AF488: 493nm/519nm
Preparation and Storage	Store at 4°C for 6 months.

ADDITIONAL INFORMATION

Related Product Information for anti-EEA1 antibody	EEA1 localizes exclusively to early endosomesand has an important role in endosomal trafficking. EEA1 binds directly to the phospholipid phosphatidylinositol 3-phosphatethrough its C-terminalFYVE domainand forms a homodimerthrough acoiled coil. EEA1 acts as a tethering molecule that couples vesicle docking with SNAREs such asN-ethylmaleimide sensitive fusion protein, bringing the endosomes physically closer and ultimately resulting in the fusion and delivery of endosomal cargo. Due to the proteins importance in vesicular trafficking, a number of intracellular bacteria prevent EEA1 recruitment to the vacuole.Mycobacterium tuberculosisis known to inhibit the recruitment of EEA1 to the phagosomal membrane through CamKII. Legionella pneumophilaalso prevents EEA1 recruitment through a currently unknown mechanism.[5] Interestingly, the related pathogen Legionella longbeachaerecruits EEA1 and appears to replicate within a modified early endosome.

NCBI AND UNIPROT INFORMATION

NCBI GI #	110227599
NCBI GeneID	8411
NCBI Accession #	NP_003557.2
NCBI GenBank Nucleotide #	NM_003566
UniProt Accession #	Q15075; Q14221
NCBI Official Full Name	Homo sapiens early endosome antigen 1 (EEA1), mRNA
NCBI Official Synonym Full Names	early endosome antigen 1

NCBI Official Symbol	EEA1
NCBI Official Synonym Symbols	MST105; ZFYVE2; MSTP105
NCBI Protein Information	early endosome antigen 1; early endosome antigen 1, 162kD; early endosome-associated protein; endosome-associated protein p162; zinc finger FYVE domain-containing protein 2
UniProt Protein Name	Early endosome antigen 1
UniProt Gene Name	**EEA1**
UniProt Synonym Gene Names	ZFYVE2
UniProt Entry Name	EEA1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/eea1-early-endosome-marker-antibody-elisa/312809