TRIM25 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	TRIM25, Monoclonal Antibody
Full Product Name	TRIM25 (Tripartite Motif-containing 25, EFP, RNF147, Z147, ZNF147) (AP)
Product Gene Name	anti-TRIM25 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2B12
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).
Purity/Purification	Purified
Specificity	Recognizes human TRIM25.
Preparation and Storage	Store product at 4 degree C. 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. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	70,973 Da
OMIM	600453
3D Structure	ModBase 3D Structure for Q14258
Immunogen	Recombinant protein corresponding to aa211-310 from human TRIM25 with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	SQINGASRALDDVRNRQQDVRMTANRKVEQLQQEYTEMKALLDASETTSTRKIKEEEKRVNSKFDTIYQILLKKKSEIQTLKEEIEQSLTKRDEFEFLEK
Conjugate	AP
Product Categories/Family for anti-TRIM25 antibody	Antibodies; Transcription Factors; TRIM (Tripartite Motif)
Applications Tested/Suitable for anti-TRIM25 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-TRIM25 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-TRIM25 antibody	The protein encoded by this gene is a member of the tripartite motif (TRIM) family. The TRIM motif includes three zinc-binding domains, a RING, a B-box type 1 and a B-box type 2, and a coiled-coil region. The protein localizes to the cytoplasm. The presence of potential DNA-binding and dimerization-transactivation domains suggests that this protein may act as a transcription factor, similar to several other members of the TRIM family. Expression of the gene is upregulated in response to estrogen, and it is thought to mediate estrogen actions in breast cancer as a primary response gene.
Other Notes	Small volumes of anti-TRIM25 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 TRIM25 purchase	MBS6134980 is an antibody targeting TRIM25. Also known as TRIM25 (Tripartite Motif-containing 25, EFP, RNF147, Z147, ZNF147) (AP). Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TRIM25. It may not necessarily be applicable to this product.

NCBI GI #	68160937
NCBI GeneID	7706
NCBI Accession #	NP_005073
UniProt Primary Accession #	Q14258
UniProt Related Accession #	Q14258
GenBank Nucleotide #	NM_005082.4
NCBI Official Full Name	E3 ubiquitin/ISG15 ligase TRIM25
NCBI Official Synonym Full Names	tripartite motif containing 25
NCBI Official Symbol	TRIM25
NCBI Official Synonym Symbols	EFP; Z147; RNF147; ZNF147
UniProt Protein Name	E3 ubiquitin/ISG15 ligase TRIM25
UniProt Synonym Protein Names	Estrogen-responsive finger protein; RING finger protein 147; Tripartite motif-containing protein 25; Ubiquitin/ISG15-conjugating enzyme TRIM25; Zinc finger protein 147
Protein Family	E3 ubiquitin/ISG15 ligase
UniProt Gene Name	TRIM25
UniProt Synonym Gene Names	EFP; RNF147; ZNF147
UniProt Entry Name	TRI25_HUMAN
NCBI Protein Information	E3 ubiquitin/ISG15 ligase TRIM25; RING finger protein 147; zinc finger protein-147; tripartite motif-containing 25; tripartite motif protein TRIM25; estrogen-responsive finger protein; tripartite motif-containing protein 25; ubiquitin/ISG15-conjugating en

UniProt Comments for TRIM25	TRIM25: a ubiquitous protein that mediates estrogen action in various target organs. Contains one RING-type zinc finger and one SPRY domain. Protein type: EC 6.3.2.n3; Ubiquitin conjugating system; Ubiquitin ligase; Nuclear receptor co-regulator; Transcription factor; Ligase; EC 6.3.2.19 Chromosomal Location of Human Ortholog: 17q23.2 Cellular Component: nucleoplasm; cytoplasm; cytosol Molecular Function: protein binding; acid-amino acid ligase activity; zinc ion binding; transcription factor activity Biological Process: positive regulation of I-kappaB kinase/NF-kappaB cascade; viral reproduction; negative regulation of virion penetration into host cell; cytokine and chemokine mediated signaling pathway; protein ubiquitination; regulation of virion penetration into host cell; activation of NF-kappaB transcription factor; response to vitamin D; response to estrogen stimulus; innate immune response; positive regulation of transcription factor activity; negative regulation of interferon type I production; defense response to virus
Research Articles on TRIM25	**1.** Our data uncovers a previously unknown functional link between gp78 and TRIM25 and provides mechanistic insight into gp78-mediated protein ubiquitylation.
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