



Human MTDH peptide (DAG-P1752)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Downregulates SLC1A2/EAAT2 promoter activity when expressed ectopically. Activates the nuclear factor kappa-B (NF-kappa-B) transcription factor. Promotes anchorage-independent growth of immortalized melanocytes and astrocytes which is a key component in tumor cell expansion. Promotes lung metastasis and also has an effect on bone and brain metastasis, possibly by enhancing the seeding of tumor cells to the target organ endothelium. Induces chemoresistance.
Specificity	Widely expressed with highest levels in muscle-dominating organs such as skeletal muscle, heart, tongue and small intestine and in endocrine glands such as thyroid and adrenal gland. Overexpressed in various cancers including breast, brain, prostate, mela
Conjugate	Unconjugated
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	MTDH metadherin [Homo sapiens (human)]
Official Symbol	MTDH
Synonyms	MTDH; metadherin; 3D3; AEG1; AEG-1; LYRIC; LYRIC/3D3; protein LYRIC; 3D3/LYRIC; metastasis adhesion protein; astrocyte elevated gene-1 protein; lysine-rich CEACAM1 co-isolated protein;
Entrez Gene ID	92140

mRNA Refseq	<u>NM_178812.3</u>
Protein Refseq	<u>NP_848927.2</u>
UniProt ID	Q86UE4
Chromosome Location	8q22.1
Pathway	Gastric cancer network 2, organism-specific biosystem; Validated targets of C-MYC transcriptional activation, organism-specific biosystem;
Function	NF-kappaB binding; RNA polymerase II transcription factor binding; double-stranded RNA binding; poly(A) RNA binding; protein binding; transcription coactivator activity;
