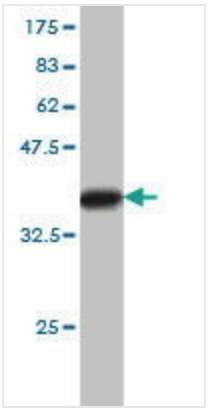
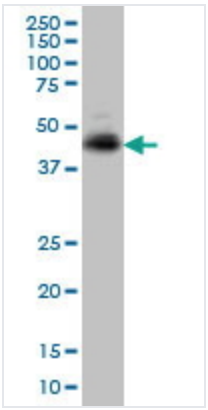
DR4 Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

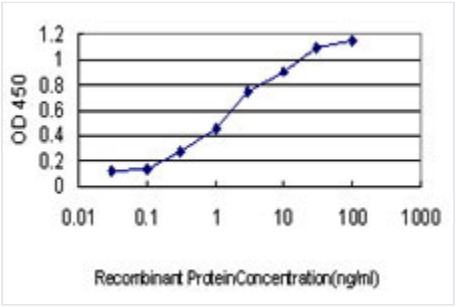
Product Name	DR4, Monoclonal Antibody
Full Product Name	DR4 (Death Receptor 4, Apo2, CD261, CD261 Antigen, Cytotoxic Ligand TRAIL Receptor, Cytotoxic TRAIL Receptor, MGC9365, T10A, TNF Related Apoptosis Inducing Ligand Receptor 1, TRAIL Receptor 1, TRAIL R1, TRAILR1, TRAIL-R1, TRAILR-1, Tumor Necrosis Factor R
Product Gene Name	anti-DR4 antibody
Clonality	Monoclonal
Isotype	IgG1,k
Clone Number	2E8
Host	Mouse
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with R-Phycoerythrin (PE).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human TNFRSF10A.
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: PE conjugates are sensitive to light. For maximum recover of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	50,089 Da
Immunogen	Partial recombinant corresponding to aa105-204 from TNFRSF10A (AAH12866) with GST tag. MW of the GST tag alone is 26kD.
Immunogen Sequence	PSSAATIKLHDQSIGTQQWEHSPLGELCPPGSHRSERPGACNRCTEGVGYTNASNNLFACLPCTACKSDEEERSPCTTTRNTACQCKPGTFRNDNSAE
Conjugate	PE
Product Categories/Family for anti-DR4 antibody	Antibodies; Apoptosis
Applications Tested/Suitable for anti-DR4 antibody	ELISA (EIA), Western Blot (WB)
Application Notes for anti-DR4 antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-DR4 antibody	MBS6157515 is an antibody targeting DR4. Also known as DR4 (Death Receptor 4, Apo2, CD261, CD261 Antigen, Cytotoxic Ligand TRAIL Receptor, Cytotoxic TRAIL Receptor, MGC9365, T10A, TNF Related Apoptosis Inducing Ligand Receptor 1, TRAIL Receptor 1, TRAIL R1, TRAILR1, TRAIL-R1, TRAILR-1, Tumor Necrosis Factor R. Reactive in Human. Host: Mouse.
Other Notes	Small volumes of anti-DR4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessar 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.



Western Blot (WB) of anti-DR4 antibody
Western Blot detection against Immunogen (37kD).



Western Blot (WB) of anti-DR4 antibody
TNFRSF10A monoclonal antibody Western Blot analysis of TNFRSF10A expression in K-562.



Testing Data of anti-DR4 antibody
Detection limit for recombinant GST tagged TNFRSF10A is ~0.03ng/ml as a capture antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DR4. It may not necessarily be applicable to this product.

NCBI GI #	15277526
NCBI GeneID	8797
NCBI Accession #	BC012866
NCBI Related Accession #	AAH12866
UniProt Secondary Accession #	Q53Y72; Q96E62; A8K5I4
UniProt Related Accession #	O00220
NCBI Official Full Name	Homo sapiens tumor necrosis factor receptor superfamily, member 10a, mRNA
NCBI Official Synonym Full Names	TNF receptor superfamily member 10a
NCBI Official Symbol	TNFRSF10A
NCBI Official Synonym Symbols	DR4; APO2; CD261; TRAILR1; TRAILR-1
Protein Family	Transposon Ty1-DR4 Gag polyprotein
NCBI Protein Information	tumor necrosis factor receptor superfamily member 10A
NCBI Summary for DR4	The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is activated by tumor necrosis factor-related apoptosis inducing ligand (TNFSF10/TRAIL), and thus transduces cell death signal and induces cell apoptosis. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is required for the apoptosis mediated by this protein. [provided by RefSeq, Jul 2008]
Research Articles on DR4	**1.** The structure of death receptor 4 (DR4) in complex with TNF-related apoptosis-inducing ligand (TRAIL) has been determined at 3 A resolution and compared with those of previously determined DR5-TRAIL complexes.

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