Aeonian Biotech
Your choice for selective antibodies

Cat nr   AE00137

Mouse Recombinant Antibody, clone rVEGI/1283 to:

TNFSF15, TNF superfamily member 15

TNF superfamily member 15; Tumor necrosis factor ligand superfamily member 15; TNF ligand-related molecule 1; Vascular endothelial cell growth inhibitor; TL1; TL1A; TNLG1B; VEGI; VEGI192A; VEGI-251; VEGI-192

Product Datasheet

Cellular localization	Secreted
Official Symbol (Gene)	TNFSF15
GeneID	9966
SwissProt	O95150
Confirmed Applications	IHC, PA
Positive controls	Endothelial cells, colon, intestine, placenta, lung, liver, kidney, pancreas, spleen and prostate.
Aeonian Rating©	90
Purification	By Protein G from bioreactor concentrate
Formulation	☐ 200ug IgG/ml in PBS, 0.05% BSA, 0.05% azide (20ug or 100ug) ☐ 1mg IgG/ml in PBS (100ug or contact us for quotation)
Amount	☐ 20ug ☐ 100ug
Isotype	Mouse IgG1, kappa
Confirmed species reactivity	Human
Immunogen	Recombinant full-length human VEGI protein
Epitope	Unknown

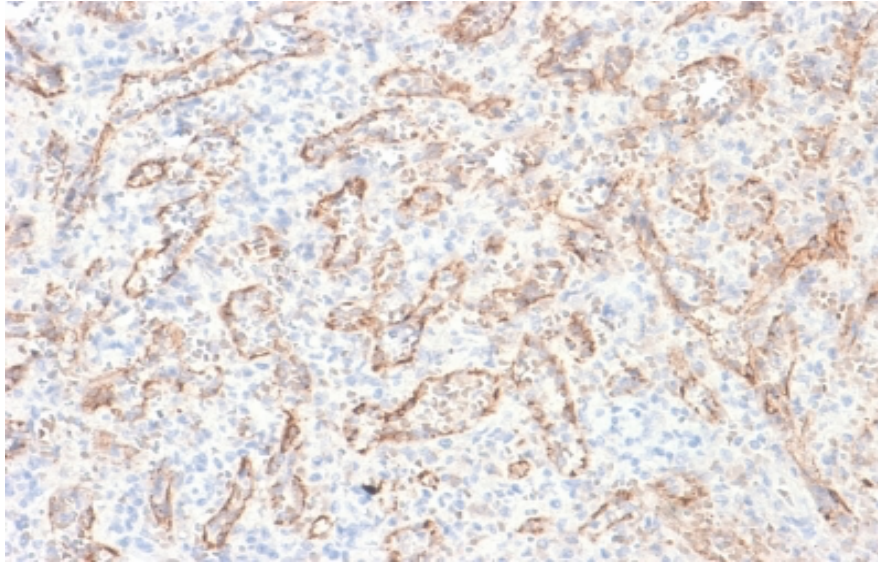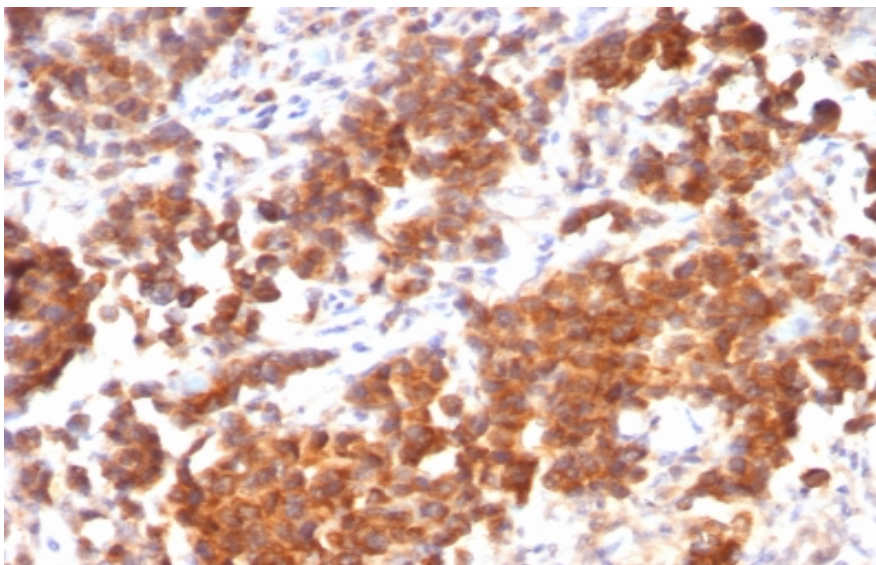|	
Storage instructions	Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.
Expiration	Integrity warranted for 24 months after purchase when handled and stored according to instructions, see below.
Warranty	This product is only warranted for the specifications as described in this product sheet and only when the product is handled and stored according to instructions. User should validate this antibody in the application and tissue/cell type as required, after confirmation of integrity upon receipt is obtained by reproducing the performance as described below. Should such confirmation not be attempted, any warranty is void. In case of non-conformance, user needs to contact us immediately for replacement or refund.
Liability	This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.
Product performance	see next pages

Product data:

ImmunoHistoChemistry (IHC):
This product shows endothelial staining in human spleen sections, and malignant cells in parathyroid mass. Recommended concentration: 1-3ug/ml
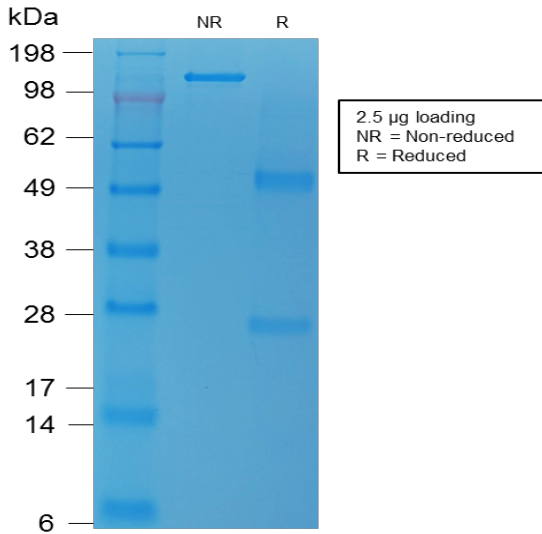

Formaldehyde-fixed, paraffin-embedded human spleen stained with TNFSF15 Mouse Recombinant Antibody AE00137 at 1-2ug/ml for 30 minutes at RT. Epitope retrieval: Boiling at pH9 for 10-20 min followed by 20 min cooling. DAB staining by HRP polymer.
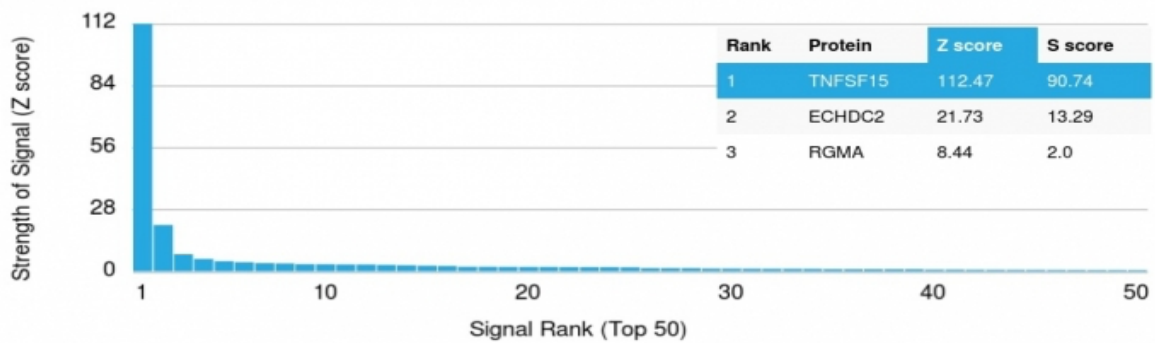

Formaldehyde-fixed, paraffin-embedded human parathyroid mass stained with TNFSF15 Mouse Recombinant Antibody AE00137 at 1-2ug/ml for 30 minutes at RT. Epitope retrieval: Boiling at pH9 for 10-20 min followed by 20 min cooling. DAB staining by HRP polymer.

SDS-PAGE Analysis of Purified TNFSF15 Mouse Recombinant Antibody AE00137. Confirmation of Purity and Integrity of Antibody.

Integrity of the purified antibody AE00131 under non-reduced and reduced conditions, showing intact IgG at around 140kDa (NR) and intact heavy and light chains at 50kDa and 25kDa resp. (R).

Specificity and selectivity of AE00137 to TNFSF15 were tested against >19,000 full-length human proteins on a human protein array. A protein BLAST search against H. sapiens revealed no closely related other proteins.

Rank	Protein	Z score	S score
1	TNFSF15	112.47	90.74
2	ECHDC2	21.73	13.29
3	RGMA	8.44	2.0

Cross-reactivity assessment of TNFSF15 Mouse recombinant Antibody AE00137 (1ug/ml) on CDI's Protein Array containing more than 19,000 full-length human proteins.

The Z-score represents the strength of a signal that an antibody (through a fluorophore-tagged secondary reagent) produces when binding to a particular protein on the array. Z-scores are in units of standard deviations (SD's) above the mean value of all signals generated on that array. When Z-scores are arranged in descending order, the difference between two successive values will be the S-score for the first. Thus, the S-score represents the relative specificity of the antibody to its intended target. An antibody is considered specific to its intended target, when it has an S-score of at least 2.5. For example, if an antibody binds to intended protein X with a Z-score of 43 and to the cross-reacting protein Y with a next Z-score of 14, then the S-score for the antibody to intended target X equals 29 (43-14).