



## Cat nr AE00145

## Product Datasheet

Recombinant Rabbit Antibody, clone VEGI/2052R to:

### TNFSF15, TNF superfamily member 15

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

Cellular localization                      Secreted

Official Symbol (Gene)                      TNFSF15

GenelD    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	<input type="checkbox"/>	By Protein A from bioreactor concentrate
Formulation	<input type="checkbox"/>	200ug IgG/ml in PBS, 0.05% BSA, 0.05% azide (20ug or 100ug)
	<input type="checkbox"/>	1mg IgG/ml in PBS (100ug or contact us for quotation)
Amount	<input type="checkbox"/>	20ug
	<input type="checkbox"/>	100ug
Isotype		Rabbit IgG
Confirmed species reactivity		Human
Immunogen		Recombinant full-length human TNFSF15 protein

Epitope    Unknown

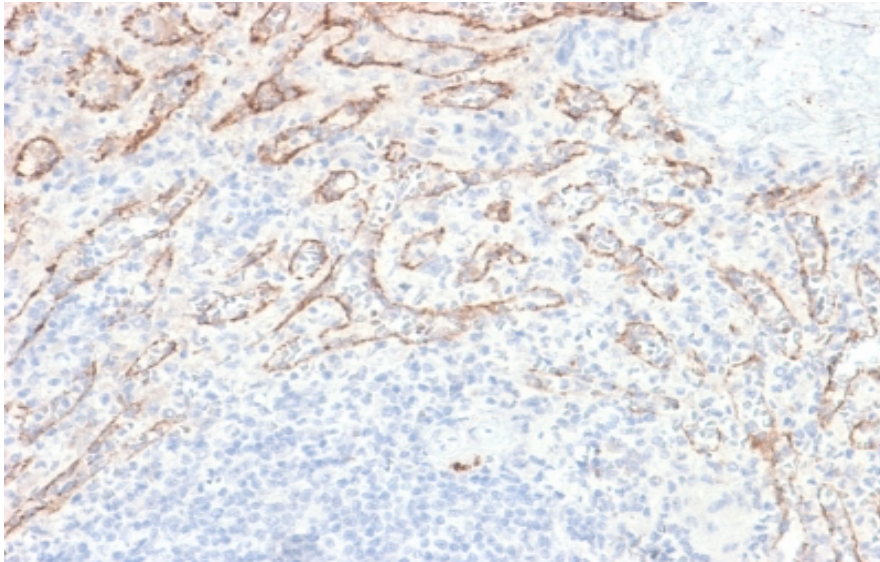
Storage instructions	Avoid repeated freeze/thaw cycles. For long term storage, keep small aliquots at -20C or -80C and keep one aliquot at 4C for daily experimentations. Azide will preserve antibody at 4C for 6-12 months, when kept away from direct sun light.
Expiration	Integrity warranted for 24 months 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

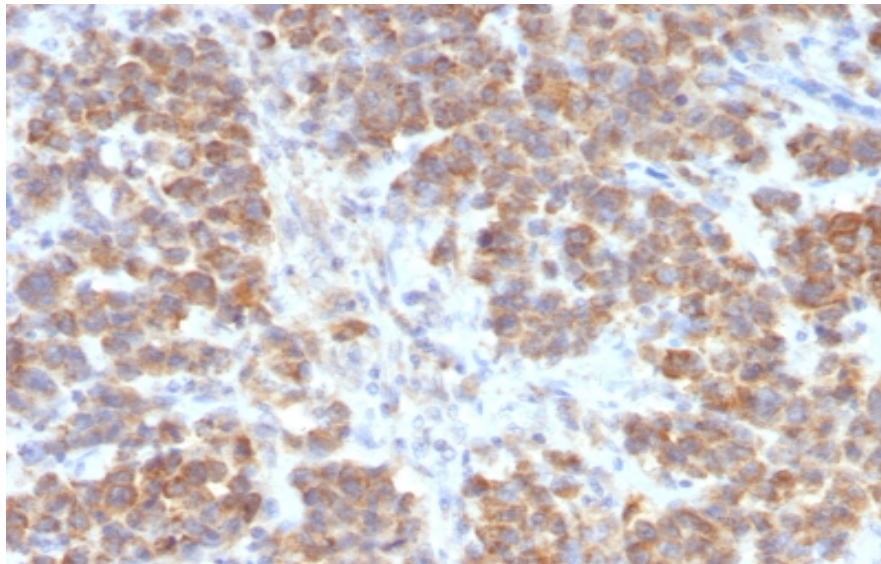
**Product data:**

**ImmunoHistoChemistry (IHC):**

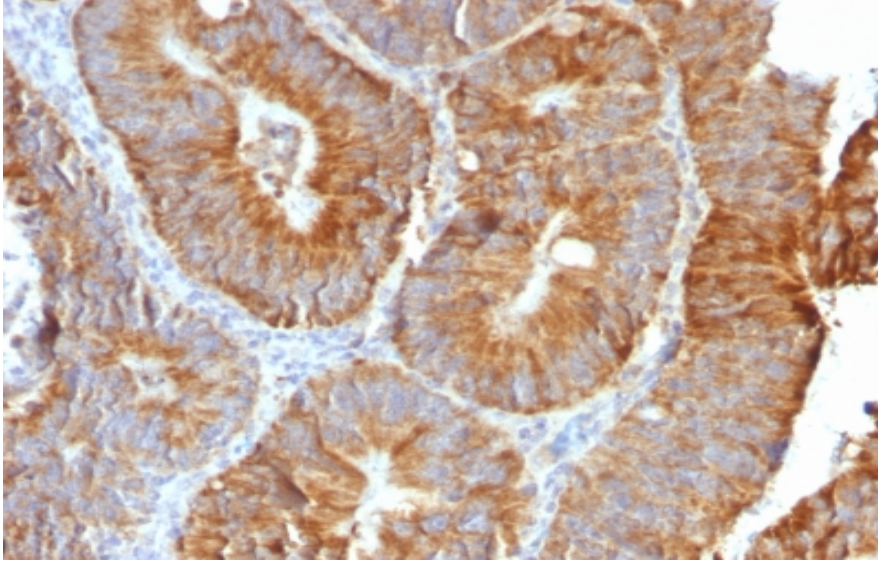
This product shows endothelial staining in human spleen sections, and pericellular staining in cancerous areas of the parathyroid and colon. Recommended concentration: 1-3ug/ml



Formaldehyde-fixed, paraffin-embedded human spleen stained with TNFSF15 Rabbit Recombinant Antibody AE00145 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.

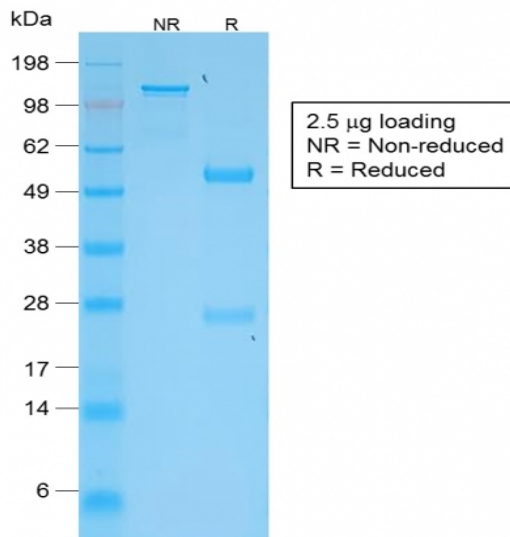


Formaldehyde-fixed, paraffin-embedded human parathyroid mass stained with TNFSF15 Rabbit Recombinant Antibody AE00145 at 1-2ug/ml for 30 minutes at RT. Epitope retrieval: Boiling at pH9 for 10-20 min followed by 20 min cooling. DAB staining by HRP polymer.



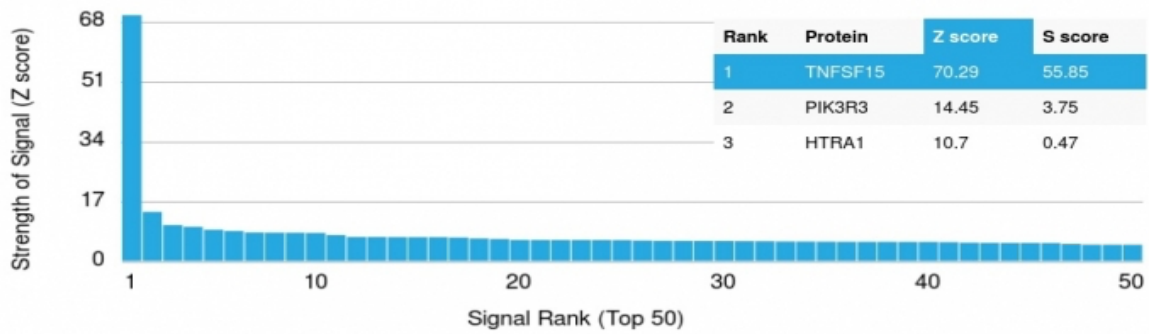
Formaldehyde-fixed, paraffin-embedded human colon carcinoma stained with TNFSF15 Rabbit Recombinant Antibody AE00145 at 1-2ug/ml for 30 minutes at RT. Epitope retrieval: Boiling at pH9 for 10-20 min followed by 20 min cooling. DAB staining by HRP polymer.

#### SDS-PAGE Analysis of Purified TNFSF15 Rabbit Recombinant Antibody AE00145. Confirmation of Purity and Integrity of Antibody.



Integrity of the purified antibody AE00145 under non-reduced and reduced conditions, showing intact IgG at around 120kDa (NR) and intact heavy and light chains at 50kDa and 25kDa resp. (R).

Specificity and selectivity of AE00145 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.



Cross-reactivity assessment of TNFSF15 Rabbit Recombinant Antibody AE00145 (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).