



TMA-validated antibodies

Cat nr AE00357

Product Datasheet

Rabbit Recombinant Antibody, AE465R to:

CEACAM5

carcinoembryonic antigen-related cell adhesion molecule 5; carcinoembryonic antigen; CD_antigen: CD66e; CEA cell adhesion molecule 5; meconium antigen 100; CEA; CD66e

Cellular localization cell surface, plasma membrane

Official Symbol (Gene) CEACAM5
GenelD 1048
SwissProt P06731

Confirmed Applications IHC
Positive controls intestinal epithelial cells

Aeonian Rating© 90

Purification By Protein A from bioreactor concentrate

Formulation 0.2 mg IgG/ml in PBS with 0.5% BSA & 0.05% azide.
 0.2 mg IgG/ml in PBS with 0.05% azide, without BSA.

Amount 200ug 1000ug
Isotype Rabbit IgG

Confirmed species reactivity Human
Immunogen Recombinant full-length human CEACAM5 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.

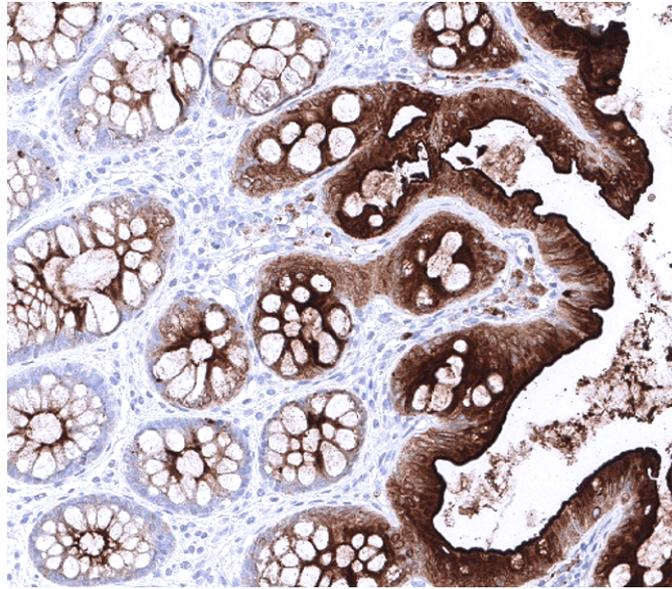
Liability This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance see next pages

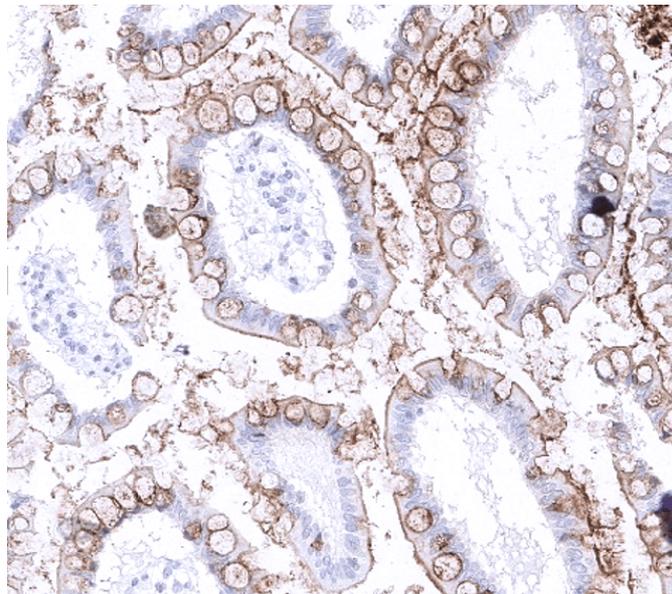
Product data:

Immunohistochemistry (IHC):

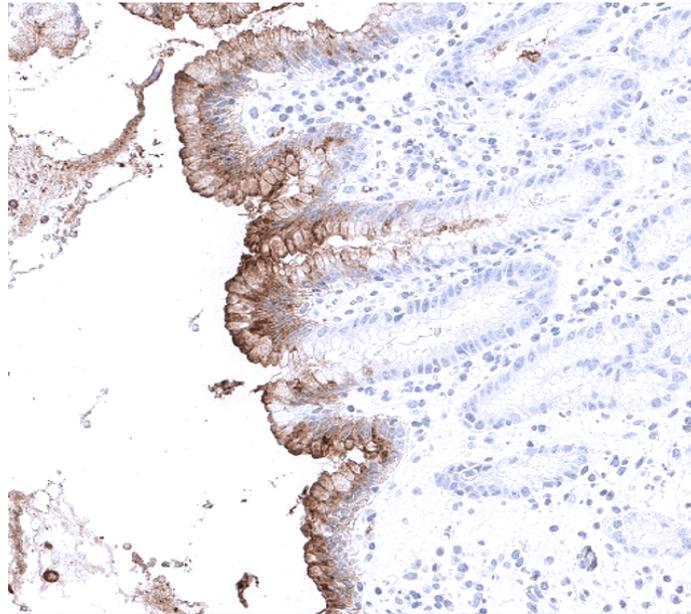
This product was successfully used to stain epithelial plasma membranes in human colon, ileum and stomach sections. Recommended concentration: 1-3ug/ml



Formaldehyde-fixed, paraffin-embedded human colon stained with CEACAM5 Rabbit Recombinant Antibody AE00357 at 1-2ug/ml for 60 minutes at 37°C. Epitope retrieval: Autoclave at 121°C, pH7.8 for 5 min followed by 20 min cooling. DAB staining by HRP polymer.



Formaldehyde-fixed, paraffin-embedded human ileum stained with CEACAM5 Rabbit Recombinant Antibody AE00357 at 1-2ug/ml for 60 minutes at 37°C. Epitope retrieval: Autoclave at 121°C, pH7.8 for 5 min followed by 20 min cooling. DAB staining by HRP polymer.



Formaldehyde-fixed, paraffin-embedded human stomach stained with CEACAM5 Rabbit Recombinant Antibody AE00357 at 1-2ug/ml for 60 minutes at 37°C. Epitope retrieval: Autoclave at 121°C, pH7.8 for 5 min followed by 20 min cooling. DAB staining by HRP polymer.

Tissue Microarray Validation:

Normal tissues

Strong positive

appendix mucosa
 colon mucosa
 ectocervix
 esophagus squamous epithelium
 ileum mucosa
 rectum mucosa
 stomach
 tonsilar surface epithelium

Weak to moderate

duodenum mucosa
 sinus paranasalis

No staining at all

adipose
 adrenal gland
 aorta, media
 appendix muscular wall
 bone marrow
 breast
 bronchus mucosa
 cerebellum
 cerebrum
 colon muscular wall
 duodenum Brunner gland
 endocervix
 endometrium
 epididymis
 fallopian tube
 gallbladder
 heart muscle
 kidney
 liver
 lung
 lymph node
 myometrium
 ovarian stroma

pancreas
parathyroid gland
parotid gland
pituitary gland
placenta
pregnant uterus
prostate
seminal vesicle
skeletal muscle
skin
spleen
testis
thymus
thyroid gland
urinary bladder muscular wall
urothelium

Cancer tissues

Strong positive

adenocarcinoma of lung and
pancreas
cholangiocarcinoma
colorectal adenocarcinoma
intestinal type gastric cancer
medullary thyroid cancer
ovarian mucinous carcinoma
squamous cell carcinoma in larynx and cervix

Weak to moderate

diffuse gastric cancer
lobular breast cancer

No staining at all

hepatocellular carcinoma
malignant mesothelioma
