



TMA-validated antibodies

Cat nr AE00355

Product Datasheet

Rabbit Recombinant Antibody, AE034R to:

CD34

CD_antigen: CD34; CD34 molecule; Hematopoietic progenitor cell antigen CD34; CD34

Cellular localization cell surface, plasma membrane

Official Symbol (Gene) CD34
GenelD 947
SwissProt P28906

Confirmed Applications IHC
Positive controls HPCs, small vessel endothelium
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 CD34 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.

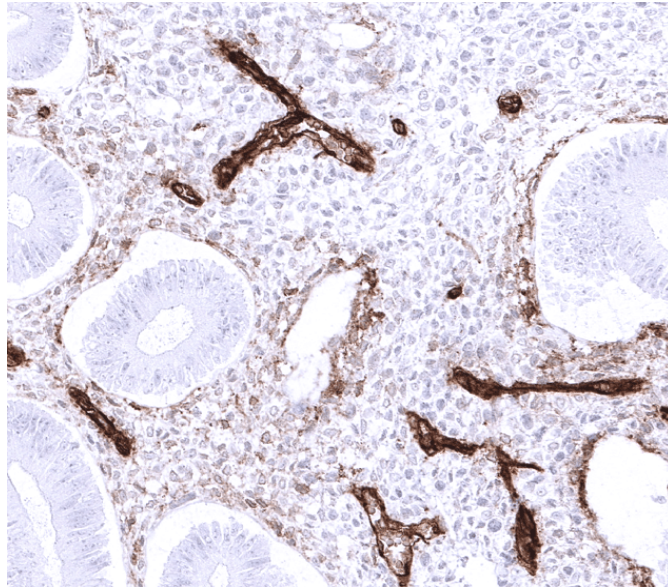
Liability This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance see next pages

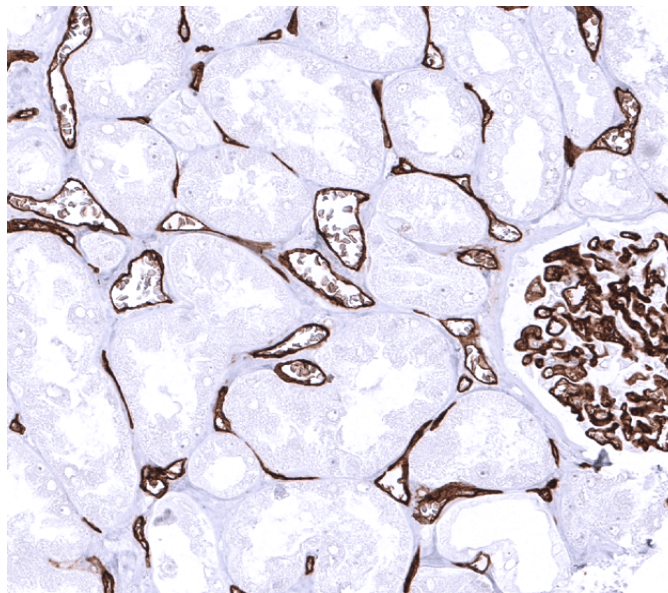
Product data:

Immunohistochemistry (IHC):

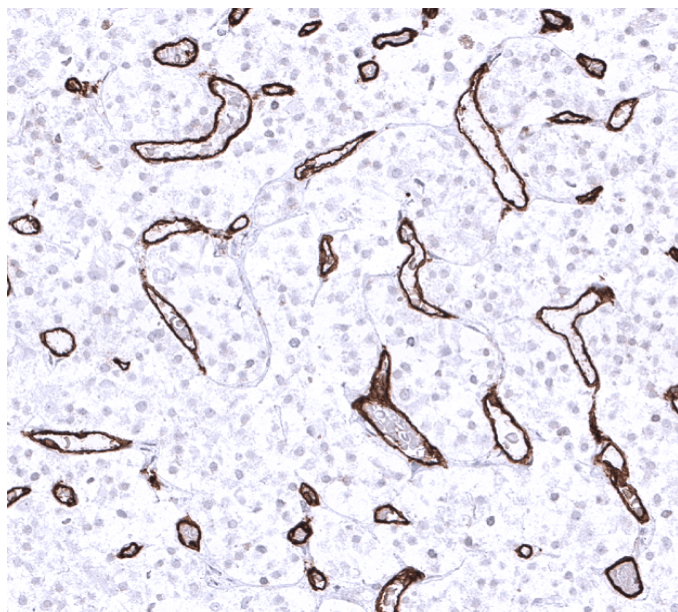
This product was successfully used to stain membranes of endothelial cells in human endometrium, kidney, and pituitary gland sections. Recommended concentration: 1-3ug/ml



Formaldehyde-fixed, paraffin-embedded human endometrium stained with CD34 Rabbit Recombinant Antibody AE00355 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 kidney stained with CD34 Rabbit Recombinant Antibody AE00355 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 pituitary gland stained with CD34 Rabbit Recombinant Antibody AE00355 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

adrenal gland
aorta, media
bronchus mucosa
colon mucosa
colon muscular wall
duodenum Brunner gland
endocervix
endometrium
epididymis
fallopian tube
kidney
lung
myometrium
pancreas
parathyroid gland
parotid gland
pituitary gland
placenta mature
seminal vesicle
testis
thymus
thyroid gland
urinary bladder muscular wall

Weak to moderate

adipose
appendix mucosa
appendix muscular wall
bone marrow
breast
cerebellum
cerebrum
duodenum mucosa
ectocervix
esophageal squamous epithelium
gallbladder
heart muscle
ileum mucosa
liver portal vessels and sinusoidal
endothelial cells
lymph node
ovarian stroma
placenta early
prostate
rectum mucosa
sinus paranasalis
skeletal muscle
skin

No staining at all

hepatocytes

spleen
stomach
tonsil
pregnant uterus
urothelium

Cancer tissues

Strong positive

angiosarcoma
dermatofibrosarcoma
protuberans
Kaposi sarcoma

Weak to moderate

angiomyolipoma
myxofibrosarcoma bloodvessels
primitive neuroectodermal tumor
bloodvessels

No staining at all
