



TMA-validated antibodies

Cat nr AE00348

Product Datasheet

Mouse Recombinant Antibody, AE001M to:

CD1a

CD1a molecule; CD_antigen: CD1a; T-cell surface glycoprotein CD1a; T-cell surface antigen T6/Leu-6; hTa1 thymocyte antigen; CD1; FCB6; HTA1; R4; T6

Cellular localization cell surface, plasma membrane

Official Symbol (Gene) CD1A
GenelD 909
SwissProt P06126

Confirmed Applications IHC
Positive controls cortical thymocytes, epidermal Langerhans cells, dendritic 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 Mouse IgG1, kappa

Confirmed species reactivity Human
Immunogen Recombinant full-length protein of human CD1a

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.

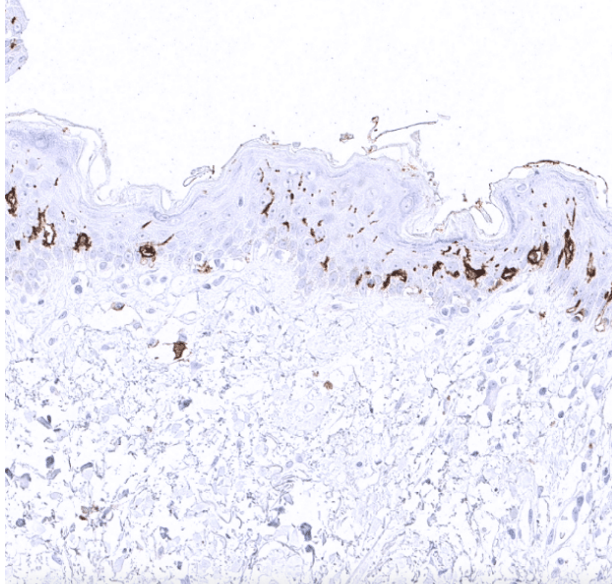
Liability This product is for in vitro research use only. Any other applications, such as diagnostics or therapeutics, or in vivo experiments, and the validation of this product therein, are solely at the responsibility of the buyer/user.

Product performance see next pages

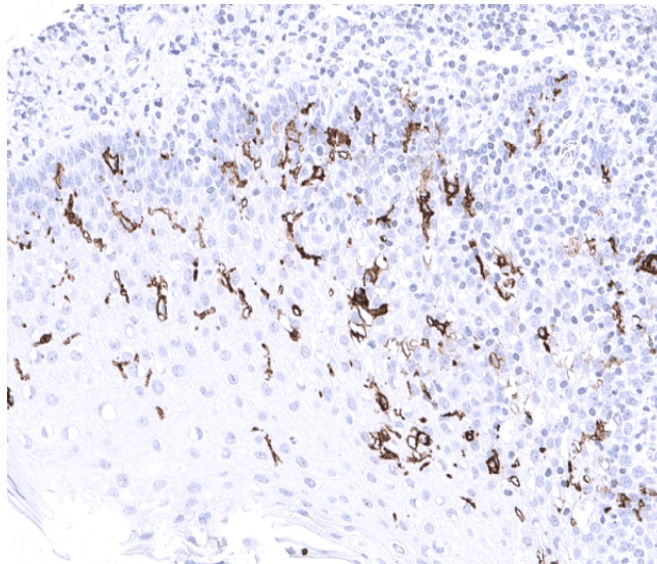
Product data:

Immunohistochemistry (IHC):

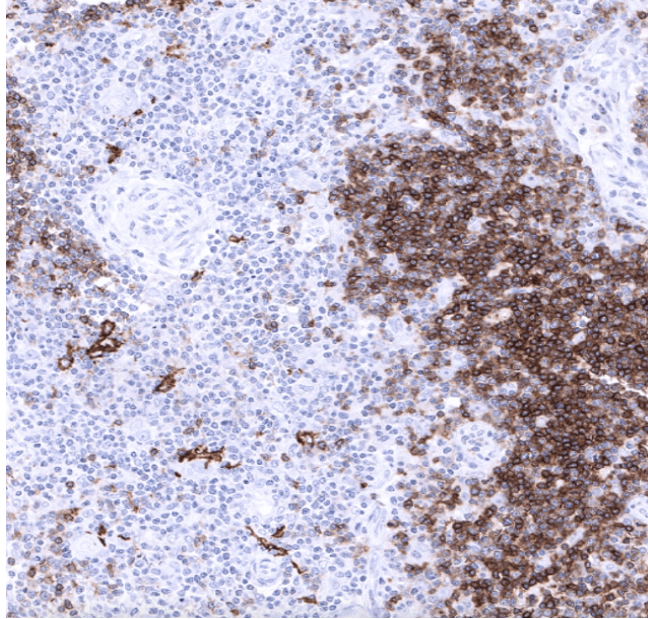
This product was successfully used to stain Langerhans cells in human skin and tonsil sections, and cortical lymphocyte membranes in thymus sections. Recommended concentration: 1-3ug/ml



Formaldehyde-fixed, paraffin-embedded human skin stained with CD1a Mouse Recombinant Antibody AE00348 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 tonsil stained with CD1a Mouse Recombinant Antibody AE00348 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 thymus stained with CD1a Mouse Recombinant Antibody AE00348 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

skin, Langerhans cells
 thymus cortex
 tonsil squamous epithelium,
 Langerhans cells

Weak to moderate

ectocervix, Langerhans cells
 esophageal squamous epithelium

No staining at all

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

pituitary gland
pregnant uterus
placenta
prostate
rectal mucosa
seminal vesicle
spleen
stomach
testis
thymus medulla
thyroid gland
tonsil
urinary bladder muscular wall
urothelium

Cancer tissues

Strong positive	Weak to moderate	No staining at all
Diffuse large B cell lymphoma, dendritic cells	Hodgkin's lymphoma, dendritic cells lymphoblastic T-cell lymphoma	