

Rabbit anti-Mouse, Rat CD103/Itgae Polyclonal Antibody | anti-ITGAE antibody

Anti-CD103/Itgae Antibody Picoband

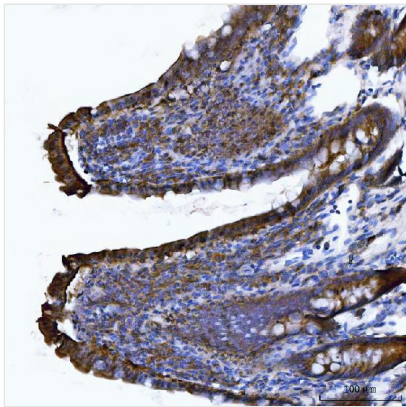
CATALOG # AAA126483	HOST Rabbit	REACTIVITY Mouse, Rat	APPLICATIONS ELISA, Immunohistochemistry
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PRODUCT SYNONYMS

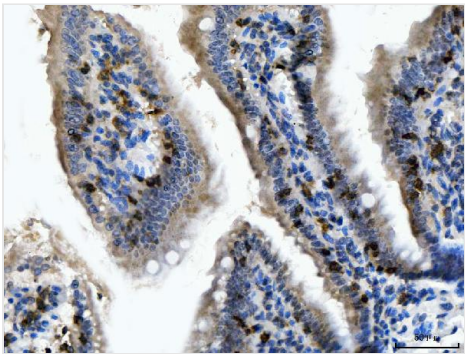
CD103/Itgae; Polyclonal Antibody; Anti-CD103/Itgae Antibody Picoband; anti-ITGAE antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-ITGAE antibody	ELISA, IHC (Immunohistochemistry)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived mouse CD103/Itgae recombinant protein (Position: F20-E1061).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



IHC (Immunohistochemistry)
Figure 2. IHC analysis of CD103/Itgae using anti-CD103/Itgae antibody (AAA126483).CD103/Itgae was detected in a paraffin-embedded section of rat colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was then incubated with 2 ug/ml rabbit anti-CD103/Itgae Antibody (AAA126483) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohistochemistry)
Figure 1. IHC analysis of CD103/Itgae using anti-CD103/Itgae antibody (AAA126483).CD103/Itgae was detected in a paraffin-embedded section of mouse colon tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-CD103/Itgae Antibody (AAA126483) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.

ADDITIONAL INFORMATION

Related Product Information for anti-ITGAE antibody	ITGAE(INTEGRIN, ALPHA-E), also known as CD103, is an integrin protein that in human is encoded by the ITGAE gene. The ITGAE gene is mapped to chromosome 17p13 by inclusion within a BAC contig. ITGAE is expressed widely on intraepithelial lymphocyte(IEL) T cells(both alphabeta T cells and gammadelta T cells) and on some peripheral regulatory T cells(Tregs) which is important for decreasing the immune response and appears to play a crucial role in the prevention of autoimmune diseases. ITGAE shares overall homology with other alpha integrins but has a unique 55-amino acid "extra" region located just N-terminal to the I domain that contains 18 consecutive charged residues and a proteolytic cleavage site.
Product Categories/Family for anti-ITGAE antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	226823202
NCBI GeneID	16407
NCBI Accession #	NP_032425.2
NCBI GenBank Nucleotide #	NM_008399.2
UniProt Accession #	Q60677; B1AUD5
Molecular Weight	128,906 Da
NCBI Official Full Name	integrin alpha-E isoform 1
NCBI Official Synonym Full Names	integrin alpha E, epithelial-associated
NCBI Official Symbol	Itgae
NCBI Official Synonym Symbols	CD103; aM290; alpha-E1; A530055J10; alpha-M290
NCBI Protein Information	integrin alpha-E; integrin alpha M290
UniProt Protein Name	Integrin alpha-E
UniProt Gene Name	Itgae

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/cd103-itgae-antibody-immunohistochemistry-elisa/126483>