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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-CD103/Itgae Antibody Cy3 Conjugated

Catalog Number: A07091-2-Cy3

About Itgae

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.

Overview

Product Name	Anti-CD103/Itgae Antibody Cy3 Conjugated
Reactive Species	Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (ELISA, IHC). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q60677

Technical Details

Immunogen	E.coli-derived mouse CD103/Itgae recombinant protein (Position: F20-E1061).
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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For Research Use Only. Not for use in diagnostic procedures.