

Product datasheet

Anti-Integrin alpha 4+beta 7 antibody [DATK32] (Biotin) ab25217

2 References 1 Image

Overview

| | |
|----------------------------|--|
| Product name | Anti-Integrin alpha 4+beta 7 antibody [DATK32] (Biotin) |
| Description | Rat monoclonal [DATK32] to Integrin alpha 4+beta 7 (Biotin) |
| Conjugation | Biotin |
| Tested applications | Suitable for: Flow Cyt, IHC-Fr, Blocking |
| Species reactivity | Reacts with: Mouse |
| Immunogen | AKR/Cum Mouse spontaneous T lymphoma cell line TK1. |
| Epitope | ab25217 recognizes a conformational epitope on the heterodimer. |
| Positive control | Flow Cyt: Mouse spleen cells and C57Bl/6 bone marrow cells. |
| General notes | ab25217 could be useful for induction of homotypic cellular aggregation. |

Properties

| | |
|-------------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C. Do Not Freeze. Store In the Dark. |
| Storage buffer | pH: 7.20 Preservative: 0.09% Sodium azide Constituents: 0.1% Gelatin, 0.88% Sodium chloride, 0.12% Monobasic dihydrogen sodium phosphate |
| Purity | Affinity purified |
| Primary antibody notes | ab25217 could be useful for induction of homotypic cellular aggregation. |
| Clonality | Monoclonal |
| Clone number | DATK32 |
| Isotype | IgG2a |
| Light chain type | kappa |

Applications

Our [Abpromise guarantee](#) covers the use of **ab25217** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|-------|
|-------------|-----------|-------|

| | |
|----------|---|
| Flow Cyt | Use at an assay dependent concentration. ab18445 - Rat monoclonal IgG2a, is suitable for use as an isotype control with this antibody. |
| IHC-Fr | Use at an assay dependent concentration. |
| Blocking | Use at an assay dependent concentration. |

Target

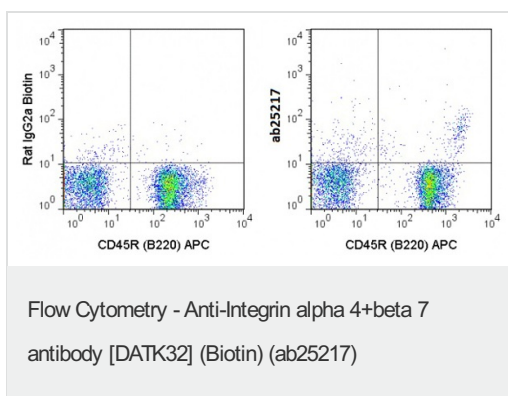
Relevance

Integrin alpha 4 beta 7, also known as, the lymphocyte Peyer's patch adhesion molecule (LPAM1) is a member of the integrin family of cell surface receptors. It is expressed primarily on mucosal lymphocytes, but is also present on NK cells and eosinophils. The alpha 4 beta 7 heterodimer mediates the binding of lymphocytes to its ligand, mucosal vascular addressin (MAdCAM1) on the high endothelial venules, thereby directing the homing of lymphocytes into Peyer's patches and intestinal lamina propria.

Cellular localization

Membrane; Single pass type I membrane protein.

Anti-Integrin alpha 4+beta 7 antibody [DATK32] (Biotin) images



C57Bl/6 bone marrow cells were stained with APC-conjugated anti-mouse CD45R (B220) and 0.25µg ab25217 (right) or 0.25µg biotin-conjugated rat IgG2a isotype control (left) followed by streptavidin PE.

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