

Product datasheet for **SM2092F**

Itga4 Rat Monoclonal Antibody [Clone ID: 9C10 (MFR.4.B)]

Product data:

| | |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type: | Primary Antibodies |
| Clone Name: | 9C10 (MFR.4.B) |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry: Neat - 1/2; Use 10µl of the suggested working dilution to label 10e6 cells in 100µl; The Fc region of monoclonal antibodies may bind non-specifically to cells expressing low affinity Fc receptors. |
| Reactivity: | Human, Mouse |
| Host: | Rat |
| Isotype: | IgG2a |
| Clonality: | Monoclonal |
| Immunogen: | Mouse LyD9 haematopoietic progenitor cells. Spleen cells from immunised Lewis rats were fused with cells of the mouse P3X63Ag8.653 myeloma cell line. |
| Specificity: | This antibody recognises alpha 4 integrin (CD49d). Clone 9C10 (MFR4.B) is reported to significantly inhibit binding of CD49d to CD106 but only when used in combination with clone R1-2. |
| Formulation: | PBS, pH7.4 containing 0.09% Sodium Azide and 1% Bovine Serum Albumin Label: FITC State: Liquid purified IgG Label: Fluorescein Isothiocyanate Isomer 1 |
| Concentration: | lot specific |
| Purification: | Affinity chromatography on Protein G |
| Conjugation: | FITC |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. |
| Stability: | Shelf life: one year from despatch. |
| Gene Name: | integrin alpha 4 |



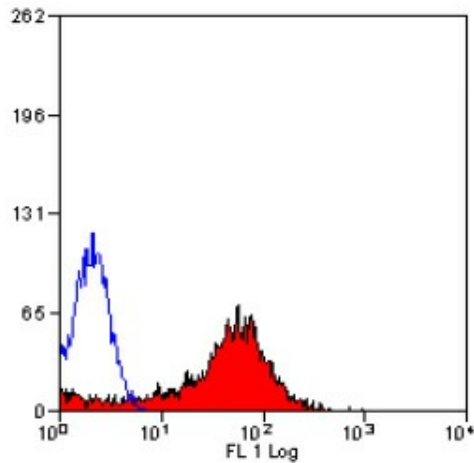
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Database Link: [Entrez Gene 16401 Mouse Q00651](#)

Background: CD49d is a 150kD glycoprotein that can associate with either beta 1 integrin (CD29) or beta 7 integrin to form heterodimers CD49d/CD29 (VLA-4) and alpha4/beta7 (LPAM-1) respectively. CD49d is expressed on most lymphocytes, granulocytes, monocytes and thymocytes. The primary ligands for CD49d are CD106 (VCAM-1), fibronectin and MADCAM-1.

Synonyms: Integrin alpha-4, Integrin alpha-IV, VLA-4, VLA4

Product images:



Staining of mouse peripheral blood lymphocytes with RAT ANTI MOUSE CD49d: FITC.