

Product datasheet for **SM1793F**

LOC105369261 Mouse Monoclonal Antibody [Clone ID: DFT-1]

Product data:

| | |
|-----------------------|---|
| Product Type: | Primary Antibodies |
| Clone Name: | DFT-1 |
| Applications: | FC |
| Recommended Dilution: | Flow Cytometry: Use 10 µl of neat antibody to label 100 µl whole blood or 10e6 cells in 100 µl. |
| Reactivity: | Human |
| Host: | Mouse |
| Isotype: | IgG1 |
| Clonality: | Monoclonal |
| Specificity: | This antibody recognizes the CD43. Clone DFT-1 binds to both glycoforms of human CD43 (Kyoizumi et al. 2004). |
| Formulation: | PBS Label: FITC State: Liquid purified IgG fraction from Tissue Culture Supernatant Stabilizer: 1% BSA Preservative: 0.09% Sodium Azide Label: Fluorescein Isothiocyanate Isomer 1 |
| Concentration: | lot specific |
| Purification: | Affinity Chromatography on Protein G |
| Conjugation: | FITC |
| Storage: | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing. |
| Stability: | Shelf life: one year from despatch. |
| Database Link: | Entrez Gene 105369261 Human P16150 |



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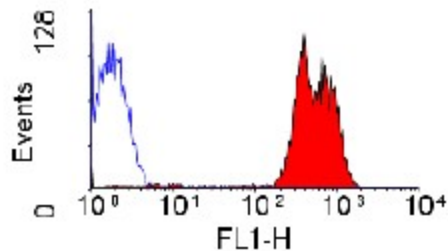
Background:

CD43 is one of the major glycoproteins of thymocytes and T lymphocytes, it plays a role in the physicochemical properties of the T cell surface and in lectin binding. CD43 presents carbohydrate ligands to selectins. It has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. The antigen is a counter receptor for SN/Siglec1. During T cell activation CD43 is actively removed from the T cell antigen presenting cell contact site suggesting a negative regulatory role in adaptive immune response.

CD43 is expressed by the majority of leucocytes, with the exception of most B cells. However CD43 expression is seen in some cases of B cell lymphocytic lymphoma and centrocytic lymphoma.

Synonyms:

Leukocyte sialoglycoprotein, Sialophorin, Galactoglycoprotein, SPN

Product images:

Staining of human peripheral blood lymphocytes with FITC conjugated Mouse anti-Human CD43 antibody SM1793F