

CD57 (HI57a) Antibody

Subcategory: Mouse Monoclonal Antibody, PE-conjugated Antibody

Cat. No.: 251086

Unit: 2 ml

Description:

The CD57 (HI57a) antibody recognizes a 110-115 kDa carbohydrate antigen also called B3GAT1, HNK-1 and Leu7. CD57 antigen is expressed on 12-20% of normal peripheral blood lymphocytes including subsets of NK cells and CD8+ Ts/Tc. CD57 expression increases with age in peripheral blood lymphocytes to 25-40% in patients over 80 year-old. CD57 is not expressed by cord blood lymphocytes, B lymphocytes, monocytes, granulocytes, platelets and erythrocytes. CD57+ cell population increases in pathologies characterized by an imbalance of CD4/CD8 lymphocytes, e.g. AIDS, autoimmune diseases, allograft transplants, and viral infections. The CD57 molecule is shared by normal neural and striated muscle and their neoplastic counterparts including neurofibromas, neurofibrosarcomas and malignant melanomas. CD57 is also present on normal and neoplastic prostatic epithelia, where it represents a prognostic factor showing a positive correlation between the number of CD57+ cells and an increased survival of the neoplastic patients.

Isotype: mouse IgM

Applications: FC

Species Reactivity: H

Format: Each vial contains 2 ml IgM (100 tests) in PBS pH7.4, 0.1% BSA with 0.09% sodium azide. Antibody was purified by hydroxyapatite chromatography.

Alternate Names: Beta-1,3-glucuronyltransferase 1; Galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; Glucuronosyltransferase-P; GlcAT-P; UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase; GlcUAT-P; B3GAT1; GLCATP; HNK-1; HSO(3)-3GlcAbeta1-3Galbeta1-4GlcNAc-; Leu7; CD57

Accession No.: Q9P2W7

Application Notes: FC with whole blood: 100 ?l blood + 20 ?l antibody; FC with cells: 10E6 cells + 20 ?l antibody. FC: 1:200-1:1,000

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

Product Citations: Tadamitsu K. et al., eds. 1997. Leucocyte Typing VI: White Cell Differentiation Antigens. P49-52, 113-114 Garland Publishing, Inc., New York.

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