



DATA SHEET

Brilliant Violet 650 anti-human CD197 (CCR7) Antibody

Code Number#21-353234

Pack Size: 100 tests

Clone: G043H7

Isotype: Mouse IgG2a, κ

Description: CCR7, also known as CD197, is a chemokine receptor that binds CCL19 and CCL21. CCR7 and its ligands link innate and adaptive immunity by affecting interactions between T cells and dendritic cells and their downstream effect. Naïve T cells enter the lymph node through high endothelial venules, which express CCL21. Dendritic cells and macrophages enter the lymph node through afferent lymphatics. The encounter of T cells and dendritic cells in the T cell zone is CCR7-dependent. In addition, during immunological surveillance, B cells recirculate between B-cell-rich compartments (follicles or B cell zones) in secondary lymphoid organs, surveying for antigen. After antigen binding, B cells move to the boundary of B and T zones to interact with T-helper cells; this B cell migration is directed by CCR7 and its ligands. CCR7-positive cancer cell expression has been associated with lymph node metastasis.

Reactivity: Human, African Green, Baboon, Cynomolgus, Rhesus

Antibody Type: Monoclonal

Host Species: Mouse

Immunogen: CCR7-transfected cells

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and BSA (origin USA).

Preparation: The antibody was purified by affinity chromatography and conjugated with Brilliant Violet 650 under optimal conditions.

Storage & Handling: The antibody solution should be stored undiluted between 2°C and 8°C, and protected from prolonged exposure to light. Do not freeze.

Application: FC - Quality tested

For in-vitro diagnostic use only. Not for human consumption.