Anti-CD43 [L11] Standard Size Ab00624-7.4

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

Isotype and Format: Rat IgG2a, Fc Silent™, Kappa
Clone Number: L11
Alternative Name(s) of Target: gpL115; leukosialin; sialophorin; L-11; Spn; Ly-48; Ly48; B-cell differentiation antigen LP-3; B-cell differentiation antigen LP3; Leukocyte sialoglycoprotein; CD-43
UniProt Accession Number of Target Protein: P15702
Published Application(s): immunotherapy, Block, FC, IHC
Published Species Reactivity: Mouse
Immunogen: L11 antibody was prepared by immunizing rats with mouse CD43.
Specificity: L11 antibody binds specifically to mouse CD43. CD43 plays a role in the physicochemical properties of the T-cell surface and in lectin binding. CD43 is a major cell-surface sialoglycoprotein - also found on neutrophils, bone marrow stem cells, B-lineage cells after activation of thymocytes and T lymphocytes but is not expressed on resting B lymphocytes. The protein presents carbohydrate ligands to selectins and Is a counter-receptor for SN/Siglec-1. During T-cell activation it is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.
Application Notes: L11 has been shown to prevent the deveopment of diabetes in mice and has also been used for FC, IHC and to block the migration of T cells from the bloodstream into organized lymphoid tissues. L11 was also shown to inhibit the development of inflammation in pancreatic islets and salivary glands.
Antibody First Published in: Johnson GG et al. Anti-CD43 Monoclonal Antibody L11 Blocks Migration of T Cells to Inflamed Pancreatic Islets and Prevents Development of Diabetes in Nonobese Diabetic Mice J Immunol. 1999 Nov 15;163(10):5678-85. PMID:10553098
Note on publication: Shows that L11 blocks the migration of T cells from the bloodstream into inflamed pancreatic islets and salivary gland in the NOD (non-obese diabetic) mouse and its effectiveness in preventing diabetes in mice.

Product Form

Size: 200 µg Purified antibody.
Purification:

Protein A affinity purified
Supplied In: PBS with 0.02% Proclin 300.
Storage Recommendation: Store at 4ºC for up to 3 months. For longer storage, aliquot and store at -20ºC.
Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.