

Anti-CD43 [L11] Bulk Size Ab00624-7.4-BT

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 development 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: 1 mg Purified antibody in bulk size.

Purification:

Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

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.