

## Anti-CD43 [L11] Standard Size Ab00624-2.3

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

This chimeric mouse antibody was made using the variable domain sequences of the original Rat IgG2a format, for improved compatibility with existing reagents, assays and techniques.

**Isotype and Format:** Mouse 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:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. 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.