

## Anti-CD43 [L11] Bulk Size Ab00624-2.0-BT

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, 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.