



CD43 mouse mAb(ABT027)

Catalog No	YP-Ab-15646
Isotype	IgG
Reactivity	Human
Applications	IHC;WB;IF
Gene Name	SPN CD43
Protein Name	CD43
Immunogen	Synthesized peptide derived from human CD43
Specificity	The antibody can specifically recognize human CD43 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.111% sodium azide.
Source	Mouse, Monoclonal/IgG2b, kappa
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen.
Dilution	IHC-p 1:100-500, WB 1:200-1000, IF 1:100-500
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Leukosialin (Galactoglycoprotein;GALGP;Leukocyte sialoglycoprotein;Sialophorin;CD antigen CD43)
Observed Band	
Cell Pathway	Membrane ; Single-pass type I membrane protein . Cell projection, microvillus . Cell projection, uropodium . Localizes to the uropodium and microvilli via its interaction with ERM proteins (EZR, RDX and MSN). . ; [CD43 cytoplasmic tail]: Nucleus . Nucleus, PML body . The sumoylated form localizes to the PML body. .
Tissue Specificity	Cell surface of thymocytes, T-lymphocytes, neutrophils, plasma cells and myelomas.
Function	disease:CD43 expression is defective on the T-cells of males with the immunodeficiency Wiskott-Aldrich syndrome. Affected males are susceptible to opportunistic infections and do not respond to polysaccharide antigens, reflecting defects in cytotoxic and helper T-cell functions.,function:One of the major glycoproteins of thymocytes and T lymphocytes. Plays a role in the physicochemical properties of the T-cell surface and in lectin binding. Presents carbohydrate ligands to selectins. Has an extended rodlike structure that could protrude above the glycocalyx of the cell and allow multiple glycan chains to be accessible for binding. Is a counter receptor for SN/Siglec-1 (By similarity). During T-cell activation is actively removed from the T-cell-APC (antigen-presenting cell) contact site thus suggesting a negative regulatory role in adaptive immune response.,PTM:Glycosylated; has a high c

**Background**

The protein encoded by this gene is a major sialoglycoprotein found on the surface of thymocytes, T lymphocytes, monocytes, granulocytes, and some B lymphocytes. It may be part of a physiologic ligand-receptor complex involved in T-cell activation. During T-cell activation, this protein is actively removed from the T-cell-APC (antigen-presenting cell) contact site, suggesting a negative regulatory role in adaptive immune response. [provided by RefSeq, Sep 2011],

matters needing attention

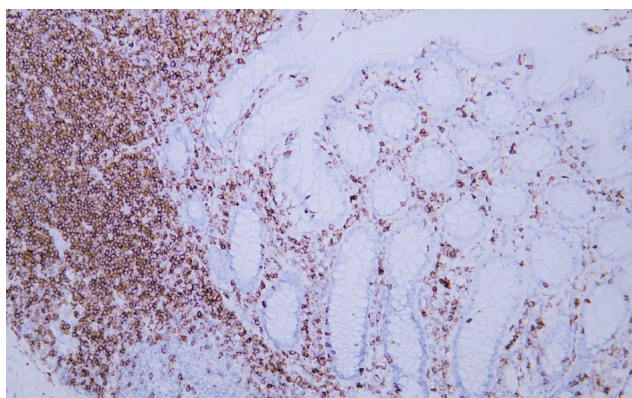
Avoid repeated freezing and thawing!

Usage suggestions

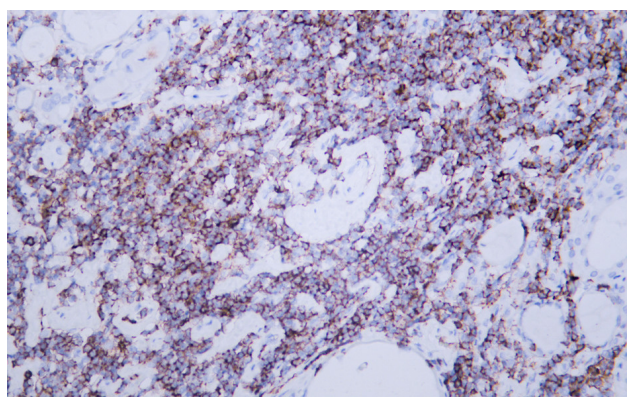
This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



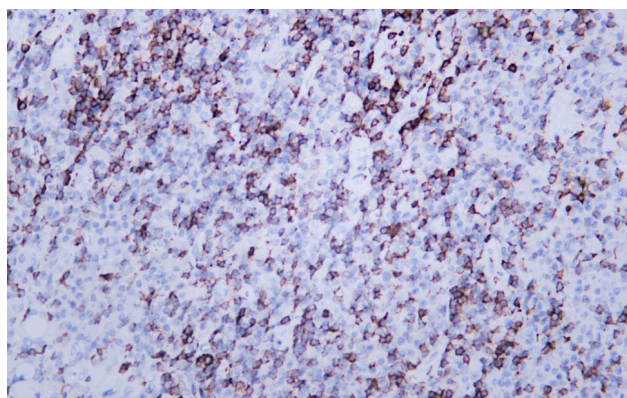
Products Images



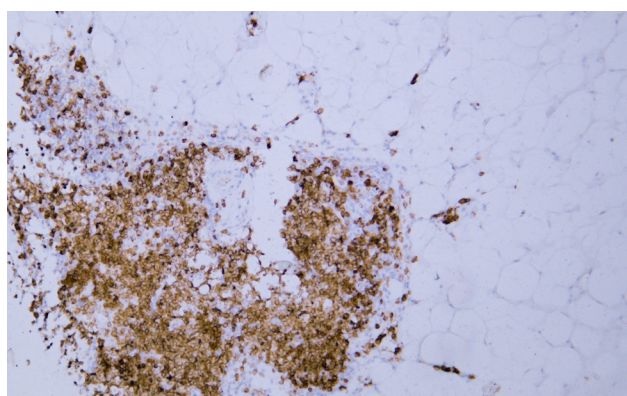
Human appendix tissue was stained with Anti-CD43 (ABT027) Antibody



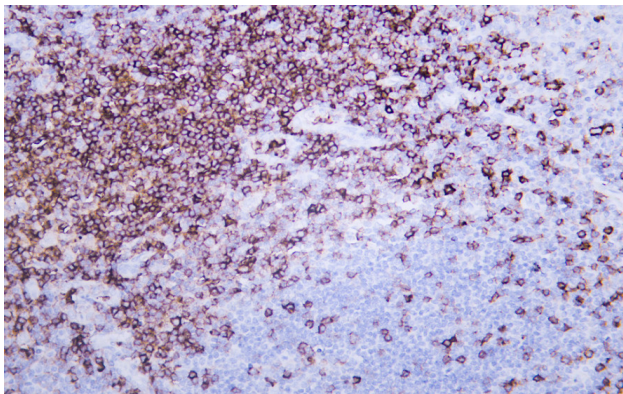
Human lymphoma tissue was stained with Anti-CD43 (ABT027) Antibody



Human lymphoma tissue was stained with Anti-CD43 (ABT027) Antibody



Human thymus tissue was stained with Anti-CD43 (ABT027) Antibody



Human tonsil tissue was stained with Anti-CD43 (ABT027) Antibody