

For Research Use Only

CD43 Monoclonal antibody

Catalog Number: 66224-1-Ig



Basic Information

Catalog Number: 66224-1-Ig	GenBank Accession Number: BC012350	Purification Method: Protein A purification
Concentration: 3100 ug/ml	GeneID (NCBI): 6693	CloneNo.: 2A11D6
Source: Mouse	ENSEMBL Gene ID: ENSG00000197471	Recommended Dilutions: WB 1:500-1:2000 IHC 1:4000-1:16000 IF-P 1:50-1:500 IF/ICC 1:200-1:800
Isotype: IgG2b	UNIPROT ID: P16150	
Immunogen Catalog Number: AG23595	Full Name: sialophorin	
	Calculated MW: 400 aa, 43 kDa	
	Observed MW: 115 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, IF-P, ELISA

Species Specificity:
human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: Jurkat cells, K-562 cells

IHC: human tonsillitis tissue, human appendicitis tissue, human colon tissue

IF-P: human tonsillitis tissue,

IF/ICC: Jurkat cells, human tonsillitis tissue

Background Information

CD43, also named leukosialin, sialophorin, galactoglycoprotein, leukocyte sialoglycoprotein, SPN, and is a mucin-like type I transmembrane protein. In humans, it is expressed in haematopoietic cells, including T lymphocytes, monocytes, granulocytes, natural killer cells, platelets, and haematopoietic stem cells, with the exception of mature erythrocytes and B cell subpopulations. The unglycosylated form of CD43 migrates on SDS-PAGE with a molecular weight of 54 kDa (PMID: 2943740), whereas CD43 from different haematopoietic cell lines displays increased molecular weights since it is glycosylated with O-linked chains that differ in core structure and sialylation.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

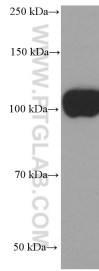
T: 4006900926

E: Proteintech-CN@ptglab.com

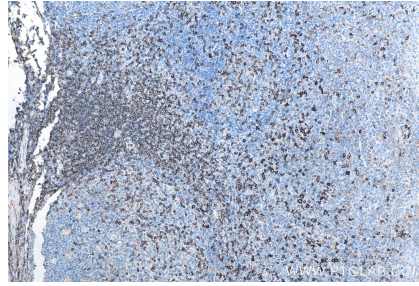
W: ptgcn.com

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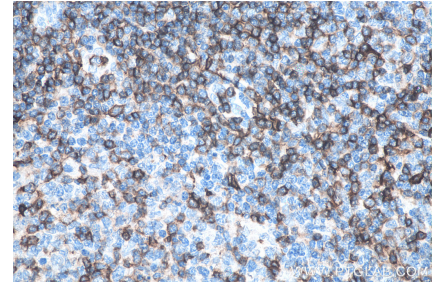
Selected Validation Data



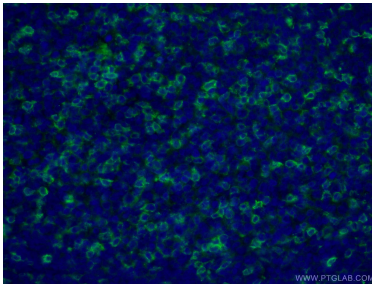
Jurkat cells were subjected to SDS PAGE followed by western blot with 66224-1-Ig (CD43 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



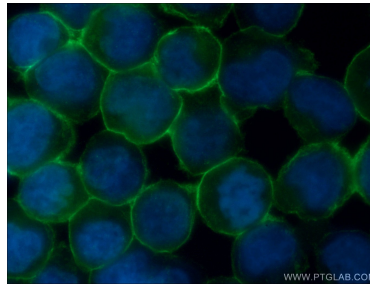
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66224-1-Ig (CD43 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



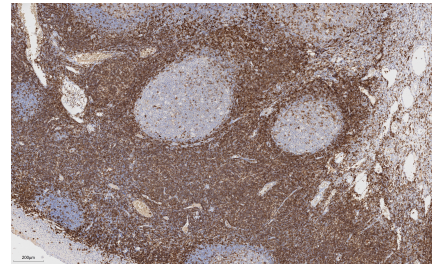
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66224-1-Ig (CD43 antibody) at dilution of 1:8000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using 66224-1-Ig (CD43 antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using 66224-1-Ig (CD43 antibody) at dilution of 1:400 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66224-1-Ig (CD43 antibody) at dilution of 1:20000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).