

For Research Use Only

# CD43 Monoclonal antibody, PBS Only

Catalog Number: 66224-1-PBS



## Basic Information

Catalog Number:	66224-1-PBS	GenBank Accession Number:	BC012350	Purification Method:	Protein A purification
Size:	1mg/ml	GeneID (NCBI):	6693	CloneNo.:	2A11D6
Source:	Mouse	ENSEMBL Gene ID:	ENSG00000197471		
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, Indirect ELISA

**Species Specificity:**  
human

## 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

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

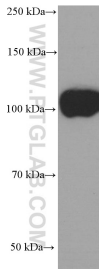
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

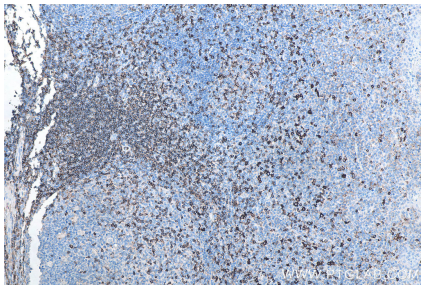
W: [ptgcn.com](http://ptgcn.com)

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

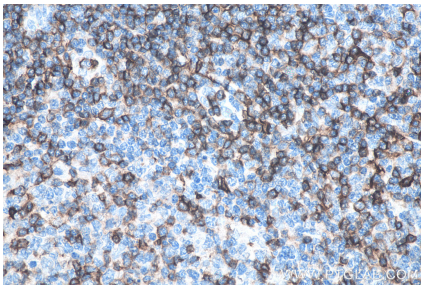
# Selected Validation Data



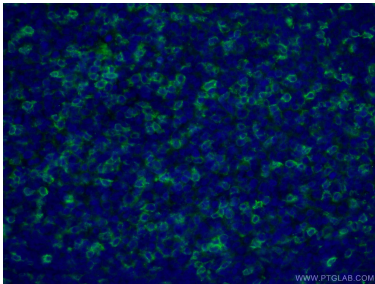
Jurkat cells were subjected to SDS PAGE followed by western blot with 66224-1-Ig (CD43 antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66224-1-PBS in a different storage buffer formulation.



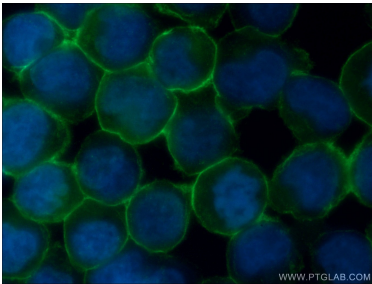
Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 66224-1-Ig (CD43 antibody) at dilution of 1:8000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66224-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66224-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66224-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66224-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 66224-1-PBS in a different storage buffer formulation.