

# CoraLite® Plus 488-conjugated CD43 Monoclonal antibody

Catalog Number: **CL488-66224**

## Basic Information

**Catalog Number:**

CL488-66224

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG23595

**GenBank Accession Number:**

BC012350

**GeneID (NCBI):**

6693

**ENSEMBL Gene ID:**

ENSG00000197471

**UNIPROT ID:**

P16150

**Full Name:**

sialophorin

**Calculated MW:**

400 aa, 43 kDa

**Observed MW:**

115 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

2A11D6

**Recommended Dilutions:**

IF-P 1:50-1:500

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

IF/ICC

**Species Specificity:**

human

**Positive Controls:**

IF-P : 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:**

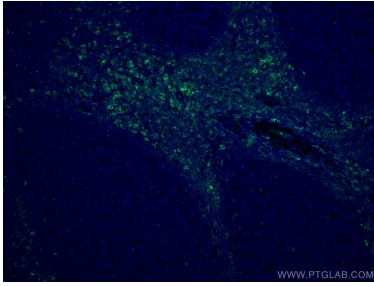
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

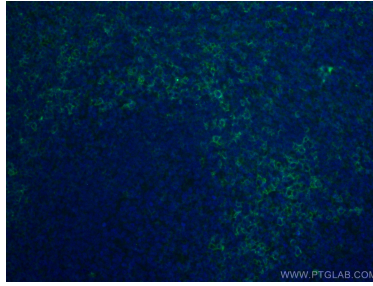
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL488-66224 (CD43 antibody) at dilution of 1:50.



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