

For Research Use Only

# CoraLite®594-conjugated HLA class I ABC Monoclonal antibody



Catalog Number: CL594-66013

Featured Product

## Basic Information

Catalog Number:

CL594-66013

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG7488

GenBank Accession Number:

BC003069

GeneID (NCBI):

3105

UNIPROT ID:

P04439

Full Name:

major histocompatibility complex,  
class I, A

Calculated MW:

41 kDa

Observed MW:

40-44 kDa

Purification Method:

Protein A purification

CloneNo.:

5C5B7

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, pig

Positive Controls:

IF : human tonsillitis tissue,

## Background Information

Human major histocompatibility complex (MHC) antigens, also referred to as human leukocyte antigens (HLA), are encoded by genes located on the short arm of chromosome 6 (6p21.3). There are two classes of HLA antigens: class I (HLA-A, B and C) and class II (HLA-D). This class I molecules are polymorphic membrane glycoproteins composed of a heavy (alpha) chain (44 kDa) which is encoded by a HLA class I gene (HLA-A, B or C), and β 2-microglobulin light (beta) chain (12 kDa). They are involved in the presentation of foreign antigens to the immune system. (PMID: 667938; 3375250)

## 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

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

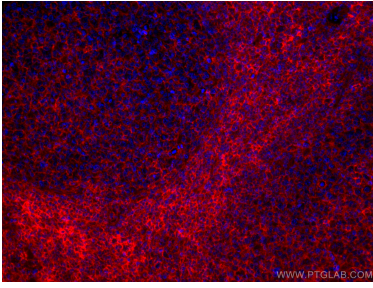
T: 4006900926

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

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

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CL594-66013 (HLA class I ABC antibody) at dilution of 1:50.