

CoraLite®594-conjugated Beta-2-Microglobulin Monoclonal antibody

Catalog Number: **CL594-66207**

Basic Information

Catalog Number:

CL594-66207

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG2b

GenBank Accession Number:

BC032589

GeneID (NCBI):

567

ENSEMBL Gene ID:

ENSG00000166710

UNIPROT ID:

P61769

Full Name:

beta-2-microglobulin

Calculated MW:

14 kDa

Observed MW:

13 kDa

Purification Method:

Protein A purification

CloneNo.:

1C3B7

Recommended Dilutions:

IF-P 1:50-1:500

Excitation/Emission maxima wavelengths:

588 nm / 604 nm

Applications

Tested Applications:

IF-P

Species Specificity:

human

Positive Controls:

IF-P : human prostate cancer tissue,

Background Information

Beta-2-microglobulin (B2M) is a component of MHC class I molecules, which are present on the surface of nearly all nucleated cells. It can be found in body fluids under physiologic conditions as a result of shedding from cell surfaces or intracellular release. B2M has various biological functions, including antigen presentation. Investigations reveal that increased synthesis and release of B2M are present in several malignant diseases.

Storage

Storage:

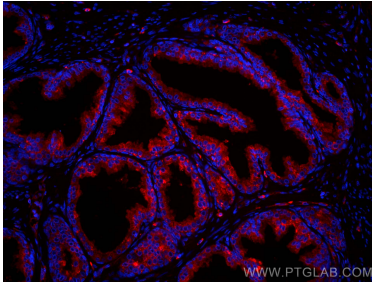
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

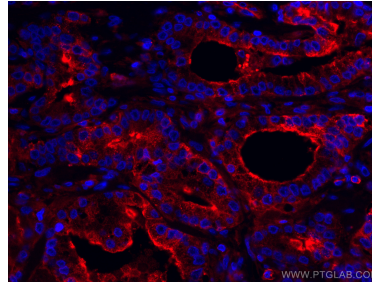
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using CoraLite®594 Beta-2-Microglobulin antibody (CL594-66207, Clone: 1C3B7) at dilution of 1:200.



Immunofluorescent analysis of (4% PFA) fixed human prostate cancer tissue using CoraLite®594 Beta-2-Microglobulin antibody (CL594-66207, Clone: 1C3B7) at dilution of 1:100.