

For Research Use Only

CoraLite®488 Anti-Human CD19 (HIB19)



Catalog Number: **CL488-65110**

Basic Information

Catalog Number:

CL488-65110

Size:

100tests , 5 µl/test

Source:

Mouse

Isotype:

Mouse IgG1, kappa

GenBank Accession Number:

BC006338

GeneID (NCBI):

930

Full Name:

CD19 molecule

Calculated MW:

556 aa, 61 kDa

Purification Method:

Affinity purification

CloneNo.:

HIB19

Excitation/Emission maxima wavelengths:

488 nm/515 nm

Applications

Tested Applications:

FC

Species Specificity:

Human

Background Information

CD19 is a 95 kDa type I transmembrane glycoprotein belonging to the immunoglobulin superfamily (PMID: 2472450). It is expressed by B cells and follicular dendritic cells. CD19 is up-regulated at the step of B-lineage commitment during the differentiation of the hematopoietic stem cell, it remains on during subsequent stages of differentiation until finally down-regulated during terminal differentiation into plasma cells (PMID: 8528044). CD19 is involved in B cell development, activation and differentiation. It is the dominant component for the signaling complex on B cells that includes CD21 (CR2), CD81 (TAPA-1) and CD225 and acts as a critical co-receptor for BCR signal transduction (PMID: 23210908).

Storage

Storage:

Store at 2-8°C. Avoid exposure to light.

Storage Buffer:

PBS with 0.1% sodium azide and 0.5% BSA, pH 7.3.

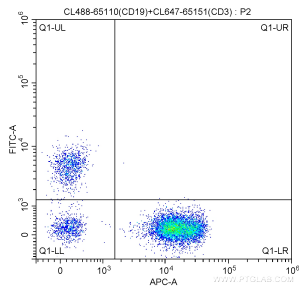
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

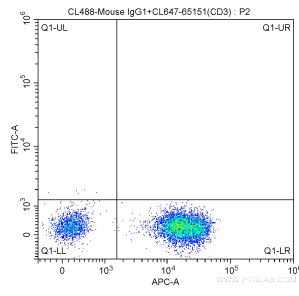
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with 5 ul CoraLite®647-conjugated Anti-Human CD3 (CL647-65151, Clone: UCHT1) and 5 ul CoraLite®488-conjugated Anti-Human CD19 (CL488-65110, Clone: HIB19). Cells were not fixed.



1X10⁶ human peripheral blood lymphocytes were surface stained with 5 ul CoraLite®647-conjugated Anti-Human CD3 (CL647-65151, Clone: UCHT1) and CoraLite®488-conjugated Mouse IgG1 isotype control. Cells were not fixed.