

For Research Use Only

CoraLite® Plus 488-conjugated NOX2 Polyclonal antibody



Catalog Number: CL488-19013

Featured Product

Basic Information

Catalog Number: CL488-19013	GenBank Accession Number: BC032720	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 1536	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Source: Rabbit	Full Name: cytochrome b-245, beta polypeptide	
Isotype: IgG	Calculated MW: 577 aa, 65 kDa	
Immunogen Catalog Number: AG5536	Observed MW: 55 kDa	

Applications

Tested Applications:
FC (Intra)

Species Specificity:
human, mouse, rat

Background Information

NOX2, also named as CYBB, CGD, 91-phox, gp91-1, gp91-phox, p22 phagocyte B-cytochrome, cytochrome b-245 and beta polypeptide, is a critical component of the membrane-bound oxidase of phagocytes that generates superoxide. It is the terminal component of a respiratory chain that transfers single electrons from cytoplasmic NADPH across the plasma membrane to molecular oxygen on the exterior. This full length protein has three glycosylation sites. CYBB is found in human cardiomyocytes as multiple bands: the signal between 55 and 65 kDa is probably the unglycosylated protein, because the predicted molecular weight of unglycosylated CYBB protein is approximately 58 kDa to 65 kDa in phagocytes and the bands around 80 kDa probably represent glycosylated CYBB, as has also been shown in human umbilical vein endothelial cells (PMID:12610097). In other reports, it also can be detected a band of 91 kDa (PMID:19965781). In our results, it reveals the bands of 55-65 kDa and 80 kDa besides a band of 140 kDa that we do not find the reason.

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.

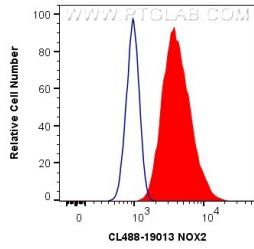
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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

Selected Validation Data



1X10⁶ RAW 264.7 cells were intracellularly stained with 0.8 ug CoraLite® Plus 488 Anti-Human NOX2 (CL488-19013) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).