

For Research Use Only

CoraLite® Plus 488-conjugated OCT4 Polyclonal antibody

Catalog Number: CL488-11263

Featured Product



Basic Information

Catalog Number:

CL488-11263

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1794

GenBank Accession Number:

BC020712

GeneID (NCBI):

5460

UNIPROT ID:

Q01860

Full Name:

POU class 5 homeobox 1

Calculated MW:

39 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF/ICC: 1:50-1:500

FC (Intra): 0.40 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

Applications

Tested Applications:

IF/ICC, FC (Intra)

Species Specificity:

human, mouse, rat

Positive Controls:

IF/ICC : NCCIT cells,

FC (Intra) : Jurkat cells,

Background Information

Octamer-binding protein 4 (OCT4), also known as POU5F1 or OCT3/4, is a member of the POU gene family and encoded by the human gene POU5F1 (POU domain class 5 transcription factor 1). OCT4 is a member of the Octamer class of transcription factors that recognize the 8-base pair consensus motif 5'-ATGCAAAT-3'. Expression of OCT4 is associated with an undifferentiated, pluripotent stem cell phenotype and tumors. OCT4 is also expressed in the developing brain, with the highest levels found in the cortex, olfactory bulb, and the hippocampus.

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, pH7.3

Aliquoting is unnecessary for -20°C storage

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

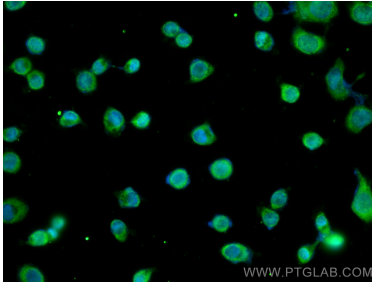
T: 4006900926

E: Proteintech-CN@ptglab.com

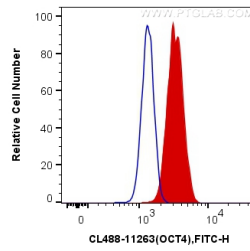
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed NCCIT cells using CoraLite® Plus 488 OCT4 antibody (CL488-11263) at dilution of 1:200.



1X10⁶ Jurkat cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human OCT4 (CL488-11263) (red), or 0.4 ug Control Antibody. Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).