

# Fluorescein/Oregon Green Polyclonal Antibody, Alexa Fluor™ 488

## Product Details

Size	500 µL
Species Reactivity	Chemical
Published Species	Chemical
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Alexa Fluor™ 488
Immunogen	Fluorescein/Oregon Green
Form	Liquid
Concentration	1 mg/mL
Purification	purified
Storage buffer	0.1M potassium phosphate, pH 8
Contains	5mM sodium azide
Storage conditions	4° C, store in dark
RRID	AB_221562

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	Assay-dependent	15 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	2 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunocytochemistry (ICC/IF)	Assay-dependent	13 Publications
Flow Cytometry (Flow)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	1 Publication

## Product Specific Information

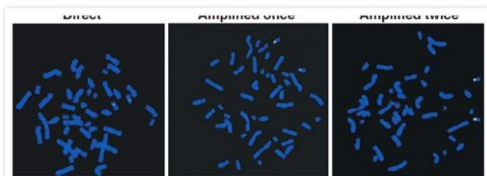
The Alexa Fluor 488 conjugates can be used to amplify the fluorescence signal while still allowing fluorescein-compatible optics. Excitation 495 nm/peak emission 519 nm.

It is a good practice to centrifuge the labeled antibody solutions briefly in a microcentrifuge before use; only the supernatant should then be added to the experiment. This step will eliminate any protein aggregates that may have formed during storage, thereby reducing nonspecific background staining.

## Product Images For Fluorescein/Oregon Green Polyclonal Antibody, Alexa Fluor™ 488

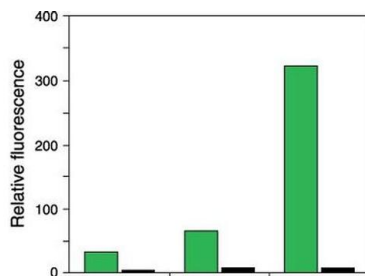
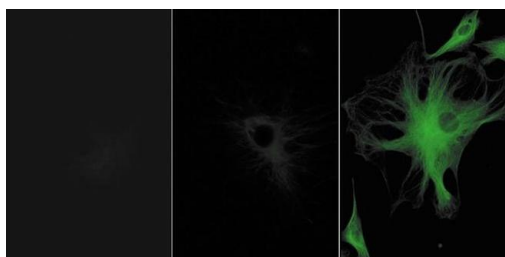
### Fluorescein/Oregon Green Antibody (A-11090) in ICC/IF

Chromosome spreads were prepared from the cultured fibroblast cell line MRC-5 and hybridized with an a-satellite probe labeled with the Oregon Green® 488 dye and specific for chromosome 17. The probe was labeled using the ULYSIS Alexa Fluor® 488 Nucleic Acid Labeling Kit (Product # U21659) (left panel). The signal was amplified using the Alexa Fluor® 488 conjugate of rabbit anti-fluorescein/Oregon Green® antibody (Product # A-11090; also available in Product # A11053) (middle panel) and amplified once again using Alexa Fluor® 488 goat anti-rabbit IgG antibody (Product # A-11008; also available in Product # A11053) (right panel). Note the significant signal enhancement with each amplification step.



### Fluorescein/Oregon Green Antibody (A-11090) in ICC/IF

Bovine pulmonary artery endothelial cells were labeled with anti-a-tubulin antibody (Product # A11126) in combination with fluorescein goat anti-mouse IgG antibody (Product # F-2761) (left panel). The center panel shows the cells after treatment with Alexa Fluor® 488 rabbit anti-fluorescein/Oregon Green® antibody (Product # A-11090), and the right panel show the cells after additional labeling with the Alexa Fluor® 488 goat anti-rabbit IgG antibody (Product # A-11008). The images were acquired using identical exposure times, and a bandpass filter set appropriate for fluorescein.



### Fluorescein/Oregon Green Antibody (A-11090)

Human T-cell leukemia cells (Jurkat) were stained with fluorescein (FITC) mouse anti-CD4 antibody and, as indicated, with Alexa Fluor®488 rabbit anti-fluorescein /Oregon Green® antibody (Product # A-11090) and Alexa Fluor® 488 goat anti-rabbit IgG antibody (Product # A-11008). The fluorescence values of the negative controls, in which the FITC anti-CD4 antibody was omitted, are shown (black) together with the fluorescence values of the experimental samples (green). The fluorescence values represent the average signals from the population of cells analyzed.

FITC anti-CD4	+	+	+
Alexa Fluor 488 anti-fluorescein		+	+
Alexa Fluor 488 anti-rabbit IgG			+

View more figures on [thermofisher.com](http://thermofisher.com)

## 33 References

### Immunohistochemistry (15)

Journal of immunology (Baltimore, Md. : 1950)

#### LSD1 Cooperates with Noncanonical NF-B Signaling to Regulate Marginal Zone B Cell Development.

"A-11090 was used in Immunohistochemistry to show that during the developing of marginal zone B cells, LSD1-mediated epigenetic modulation of the noncanonical NF-B signaling pathway is an essential process."

Authors: Haines RR,Scharer CD,Lobby JL,Boss JM

**Species**  
Chemical

**Dilution**  
1:100

**Year**  
2019

FASEB journal : official publication of the Federation of American Societies for Experimental Biology

#### Curcumin reduces renal damage associated with rhabdomyolysis by decreasing ferroptosis-mediated cell death.

"A-11090 was used in Immunohistochemistry-immunofluorescence to investigate whether ferroptosis is associated with rhabdomyolysis-mediated renal damage."

Authors: Guerrero-Hue M,García-Caballero C,Palomino-Antolín A,Rubio-Navarro A,Vázquez-Carballo C,Herencia C, Martín-Sanchez D,Farré-Alins V,Egea J,Cannata P,Praga M,Ortiz A,Egido J,Sanz AB,Moreno JA

**Species**  
Chemical

**Dilution**  
1:200

**Year**  
2019

[View more IHC references on thermofisher.com](#)

### Immunohistochemistry (Paraffin) (2)

Frontiers in immunology

#### The Residual Innate Lymphoid Cells in NFIL3-Deficient Mice Support Suboptimal Maternal Adaptations to Pregnancy.

"A-11090 was used in immunohistochemistry - paraffin section to characterize the support of suboptimal maternal adaptations to pregnancy due to residual innate lymphoid cells in NFIL3-deficient mice"

Authors: Boulenouar S,Doisne JM,Sferruzzi-Perri A,Gaynor LM,Kieckbusch J,Balmas E,Yung HW,Javadzadeh S, Volmer L,Hawkes DA,Phillips K,Brady HJ,Fowden AL,Burton GJ,Moffett A,Colucci F

**Species**  
Chemical

**Dilution**  
1:200

**Year**  
2016

Radiation research

#### Neonatal irradiation sensitizes mice to delayed pulmonary challenge.

"A-11090 was used in Immunohistochemistry on paraffin embedded tissues to suggest that radiation injury during early life may affect the lung's response to a subsequent pathogenic aerial challenge."

Authors: Johnston CJ,Manning CM,Rangel-Moreno J,Randall TD,Hernady E,Finkelstein JN,Williams JP

**Species**  
Chemical

**Dilution**  
Not Cited

**Year**  
2013

### More applications with references on thermofisher.com

IHC (F) (2)

ICC/IF (13)

Misc (1)

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