

# 53BP1 Recombinant Rabbit Monoclonal Antibody (7H14L12), Alexa Fluor™ Plus 555

Product Details	
Size	50 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	Expi293
Class	Recombinant Monoclonal
Type	Antibody
Clone	7H14L12
Conjugate	Alexa Fluor™ Plus 555
Excitation/Emission Max	558/572 nm
Immunogen	Protein corresponding to human 53BP1 [aa241-aa440]
Form	Liquid
Concentration	1.0 mg/mL
Purification	Protein A
Storage buffer	proprietary buffer, pH 6.8
Contains	0.008% Bromonitrodioxane, 0.008% Methylisothiazolone
Storage conditions	4°C, store in dark, DO NOT FREEZE!
RRID	AB_3679126

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC/IF)	1:100 - 1:200	-
Flow Cytometry (Flow)	0.06-0.5 µg/test	-

## Product Specific Information

Alexa Fluor™ Plus recombinant antibodies are conjugated using new, proprietary dye chemistry so you can generate stunning data. Alexa Fluor™ Plus antibodies represent an advancement in fluorescent conjugate technology. Alexa Fluor™ Plus antibodies provide brighter signal compared to leading Alexa Fluor™ antibodies, providing you with better signal-to-noise for your critical experiments. These antibodies show better specificity and lot-to-lot consistency as these are recombinant antibodies, generated by cloning specific genes for the desired antibodies into an expression vector and expressed in vitro.

Using conjugate solutions: Centrifuge the protein conjugate solution briefly in a microcentrifuge before use; add only the supernatant to the experiment. This step will help eliminate any protein aggregates that may have formed during storage, thereby reducing nonspecific background staining.

Applications Tested: This 53BP1 antibody has been tested by immunocytochemistry and flow cytometric analysis of HeLa cells. This may be used for immunocytochemistry at 5 µg/mL and for flow cytometry at less than or equal to 0.25 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10<sup>5</sup> to 10<sup>8</sup> cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

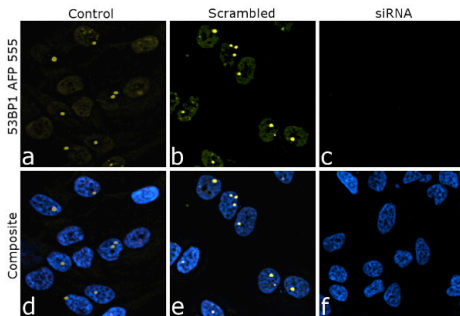
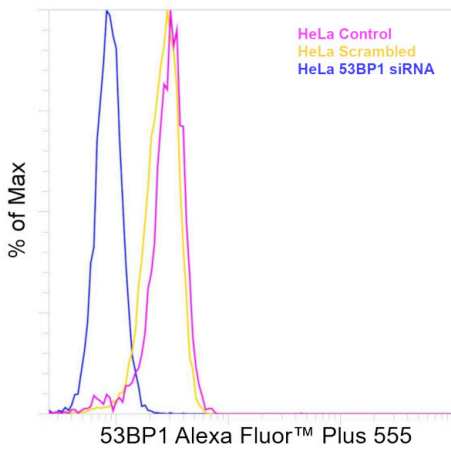
Excitation: 553 nm; Emission: 568 nm; Laser: Yellow Laser

Filtration: 0.2 µm post-manufacturing filtered.

## Product Images For 53BP1 Recombinant Rabbit Monoclonal Antibody (7H14L12), Alexa Fluor™ Plus 555

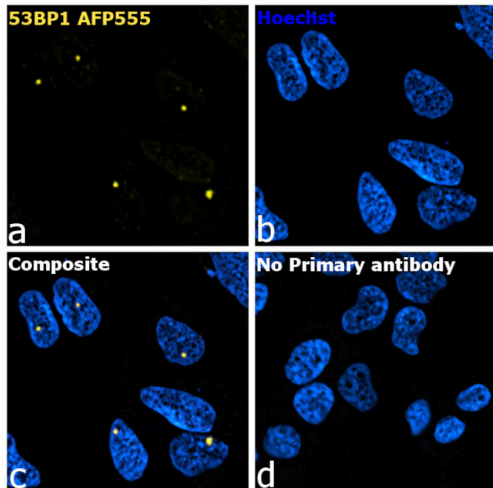
### 53BP1 Antibody (703580RP555)

Antibody specificity was demonstrated by siRNA-mediated knockdown of the target protein. HeLa cells were transfected with 53BP1 siRNA and decrease in signal intensity was observed in flow cytometry application using 53BP1 Recombinant Rabbit Monoclonal Antibody (7H14L12), Alexa Fluor™ Plus 555 (Product # 703580RP555). {KD}



### 53BP1 Antibody (703580RP555)

Antibody specificity was demonstrated by siRNA-mediated knockdown of the target protein. HeLa cells were transfected with 53BP1 specific siRNA and decrease in signal intensity was observed in immunofluorescence application using 53BP1 Recombinant Rabbit Monoclonal Antibody (7H14L12) (Product # 703580RP555). {KD}



### 53BP1 Antibody (703580RP555) in ICC/IF

Immunofluorescent analysis of 53BP1 was performed using 70% confluent HeLa cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.5% Triton X-100 for 15 minutes and blocked with 2% BSA for 1 hour at room temperature. The cells were stained with 53BP1 Recombinant Rabbit Monoclonal Antibody (7H14L12) Alexa Fluor™ Plus 555 (Product # 703580RP555, 1:200) at 4 degree Celsius overnight. Panel a) shows representative images of cells that were stained for detection and localization of 53BP1. Panel b) shows representative images of cells stained for nuclei using Hoechst 33342, trihydrochloride trihydrate (Product # H1399). Panel c) is a composite image of panels a, and b clearly demonstrating nuclear foci localization of 53BP1. Panel d) represents no primary antibody control to assess the background. The images were captured at 60X magnification.

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

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.