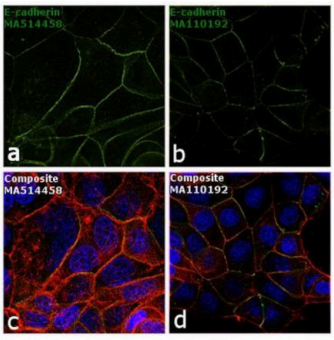
# E-cadherin Monoclonal Antibody (67A4)

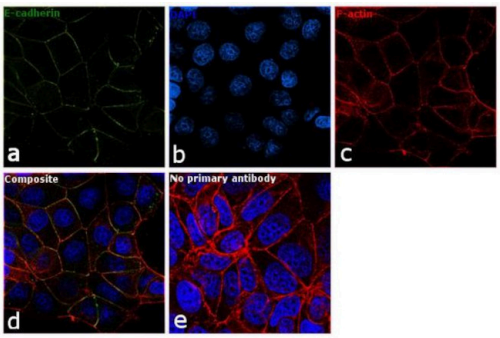
| Product Details | |
|---|---|
| Size | 100 µg |
| Species Reactivity | Human |
| Published Species | Human |
| Host/Isotype | Mouse / IgG1 |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 67A4 |
| Conjugate | Unconjugated |
| Immunogen | T-47D cells |
| Form | Liquid |
| Concentration | 1.0 mg/mL |
| Purification | Protein A |
| Storage buffer | PBS, pH 7.4 |
| Contains | 15mM sodium azide |
| Storage conditions | 4° C, do not freeze |
| RRID | AB_11152568 |

| Applications | Tested Dilution | Publications |
|---|---|---|
| Western Blot (WB) | Assay-Dependent | - |
| Immunohistochemistry (IHC) | - | 1 Publication |
| Immunohistochemistry (Frozen) (IHC (F)) | 4-8 µg/mL | - |
| Immunocytochemistry (ICC/IF) | Assay-dependent | 2 Publications |
| Flow Cytometry (Flow) | 5-10 µg/mL | 1 Publication |
| Immunoprecipitation (IP) | Assay-Dependent | - |

## Product Images For E-cadherin Monoclonal Antibody (67A4)




**E-cadherin Antibody (MA1-10192)**
Antibody specificity was demonstrated by showing that antibodies raised against the same target protein perform similarly. Immunofluorescence of E-cadherin using E-cadherin Monoclonal Antibody (67A4) (Product # MA1-10192) performed along with another E-cadherin Monoclonal Antibody (EP700Y) (Product # MA5-14458) shows similar localization pattern in MCF7 cells. {IAV}




**E-cadherin Antibody (MA1-10192) in ICC/IF**
Immunofluorescence analysis of E-cadherin was performed using 90% confluent log phase MCF7 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 15 minutes, and blocked with 1% BSA for 1 hour at room temperature. The cells were labeled with E-cadherin Monoclonal Antibody (67A4) (Product # MA1-10192) at 5 µg/mL in 0.1% BSA, incubated at 4 degree Celsius overnight and then labeled with Goat anti-Mouse IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A28175) at a dilution of 1:2000 for 45 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade® Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing plasma membrane localization. Panel e represents control cells with no primary antibody to assess background. The images were captured at 60X magnification.

## View more figures on thermofisher.cn

## 4 References

### Immunohistochemistry (1)

**Scientific reports**

**mRNA and miRNA expression profiles in an ectoderm-biased substate of human pluripotent stem cells.**

"Published figure using E-cadherin monoclonal antibody (Product # MA1-10192) in Immunofluorescence"

Authors: Mawaribuchi S,Aiki Y,Ikeda N,Ito Y

**Year**
2019

### Immunocytochemistry (2)

**Immunology and cell biology**

**The use of patient-derived breast tissue explants to study macrophage polarization and the effects of environmental chemical exposure.**

"Published figure using E-cadherin monoclonal antibody (Product # MA1-10192) in Immunocytochemistry"

Authors: Gregory KJ,Morin SM,Kubosiak A,Ser-Dolansky J,Schalet BJ,Jerry DJ,Schneider SS

**Year**
2020

**Scientific reports**

**mRNA and miRNA expression profiles in an ectoderm-biased substate of human pluripotent stem cells.**

"Published figure using E-cadherin monoclonal antibody (Product # MA1-10192) in Immunofluorescence"

Authors: Mawaribuchi S,Aiki Y,Ikeda N,Ito Y

**Year**
2019

### Flow Cytometry (1)

**Nature communications**

**NKX2-5 regulates human cardiomyogenesis via a HEY2 dependent transcriptional network.**

"MA1-10192 was used in Flow cytometry/Cell sorting to provide a human context for the evaluation of pathogenic mutations in congenital heart disease."

Authors: Anderson DJ,Kaplan DI,Bell KM,Koutsis K,Haynes JM,Mills RJ,Phelan DG,Qian EL,Leitoguinho AR, Arasaratnam D,Labonne T,Ng ES,Davis RP,Casini S,Passier R,Hudson JE,Porrello ER,Costa MW,Rafii A,Curl CL, Delbridge LM,Harvey RP,Oshlack A,Cheung MM,Mummery CL,Petrou S,Elefanty AG,Stanley EG,Elliott DA

**Year**
2018

**Species**
Human