

For Research Use Only

# CoraLite®594-conjugated HE4 Monoclonal antibody

Catalog Number:CL594-66557



## Basic Information

Catalog Number:

CL594-66557

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG5936

GenBank Accession Number:

BC046106

GeneID (NCBI):

10406

UNIPROT ID:

Q14508

Full Name:

WAP four-disulfide core domain 2

Calculated MW:

13 kDa

Purification Method:

Protein G purification

CloneNo.:

5B2D9

Recommended Dilutions:

IF/ICC 1:50-1:500

Excitation/Emission maxima  
wavelengths:

588 nm / 604 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF/ICC : SKOV-3 cells,

## Background Information

WFDC2, also named as HE4, is a member of the WFDC domain family. The WFDC domain, or WAP Signature motif, contains eight cysteines forming four disulfide bonds at the core of the protein, and functions as a protease inhibitor in many family members. HE4 is expressed in a number of normal tissues, and it is also highly expressed in a number of tumors cells lines, such ovarian, colon, breast, lung and renal cells lines. In some study, HE4 was referred to as a biomarker for ovarian carcinoma.

## 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

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

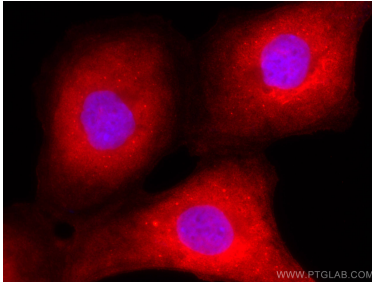
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

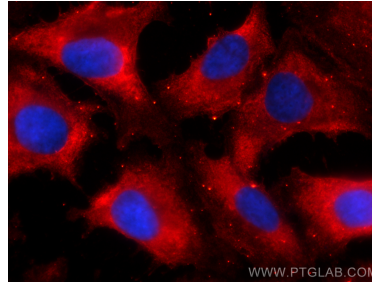
W: [ptgcn.com](http://ptgcn.com)

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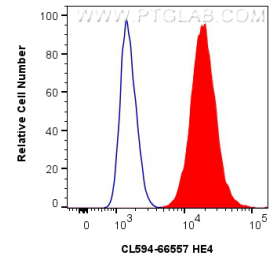
## Selected Validation Data



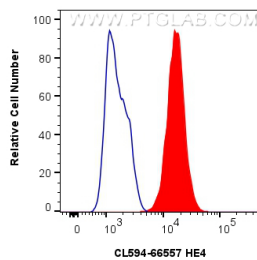
Immunofluorescent analysis of (4% PFA) fixed SKOV-3 cells using CoraLite® 594 HE4 antibody (CL594-66557, Clone: 5B2D9) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Ethanol) fixed SKOV-3 cells using CoraLite® 594 HE4 antibody (CL594-66557, Clone: 5B2D9) at dilution of 1:200.



1x10<sup>6</sup> OVCAR-3 cells were intracellularly stained with 0.4 ug CoraLite® 594-conjugated HE4 Monoclonal antibody (CL594-66557, Clone: 5B2D9) (red), or 0.4 ug CoraLite® 594 Mouse IgG1 Isotype Control (1F8D3) (CL594-66360-1, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



1x10<sup>6</sup> SKOV-3 cells were intracellularly stained with 0.4 ug CoraLite® 594-conjugated HE4 Monoclonal antibody (CL594-66557, Clone: 5B2D9) (red), or 0.4 ug CoraLite® 594 Mouse IgG1 Isotype Control (MOPC-21) (CL594-65124, Clone: MOPC-21) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).