

For Research Use Only

CoraLite®594-conjugated HE4 Monoclonal antibody

Catalog Number:CL594-66557



Basic Information

Catalog Number: CL594-66557	GenBank Accession Number: BC046106	Purification Method: Protein G purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10406	CloneNo.: 5B2D9
Source: Mouse	UNIPROT ID: Q14508	Recommended Dilutions: IF/ICC 1:50-1:500
Isotype: IgG1	Full Name: WAP four-disulfide core domain 2	Excitation/Emission maxima wavelengths: 588 nm / 604 nm
Immunogen Catalog Number: AG5936	Calculated MW: 13 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : SKOV-3 cells,
Species Specificity: human	

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.

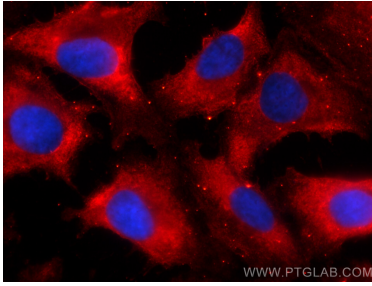
Storage

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

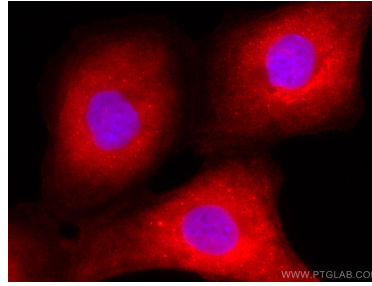
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

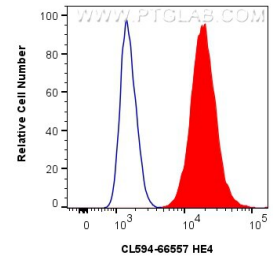
Selected Validation Data



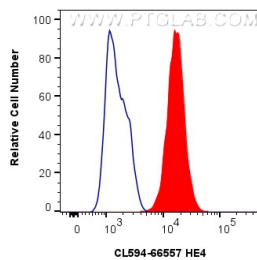
Immunofluorescent analysis of (-20°C Ethanol) fixed SKOV-3 cells using CoraLite® 594 HE4 antibody (CL594-66557, Clone: 5B2D9) at dilution of 1:200.



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



1x10⁶ 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).



1x10⁶ 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).