

# Product Datasheet

## **SLC7A5/LAT1 Antibody (EP3-1) - Chimeric - Azide and BSA Free**

### **NBP3-20116-0.2mg**

Unit Size: 0.2 mg

Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.

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**NBP3-20116-0.2mg**

SLC7A5/LAT1 Antibody (EP3-1) - Chimeric - Azide and BSA Free

Product Information	
Unit Size	0.2 mg
Concentration	1 mg/ml
Storage	Store at 4C for up to 3 months. For longer storage, aliquot and store at -20C.
Clonality	Monoclonal
Clone	EP3-1
Preservative	0.02% Proclin 300
Isotype	IgG Kappa
Purity	Protein A purified
Buffer	PBS

Product Description	
Host	Rabbit
Gene ID	8140
Gene Symbol	SLC7A5
Species	Human
Specificity/Sensitivity	Shows no reactivity to live HeLa cells by ICC/IF.
Immunogen	Immunised mice and constructed IgG1 Fab phage display libraries from the spleen cells. SLC7A5/LAT1-reactive recombinant Fab fragments were retrieved by epitope peptide panning.

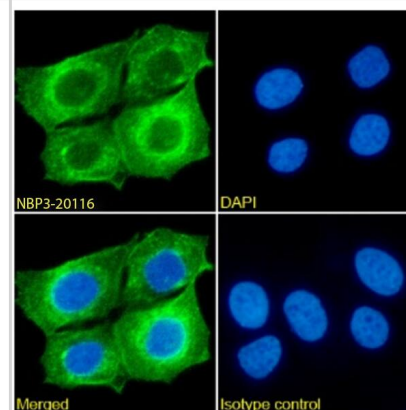
Product Application Details	
Applications	Flow Cytometry, Functional, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Functional
Application Notes	This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.



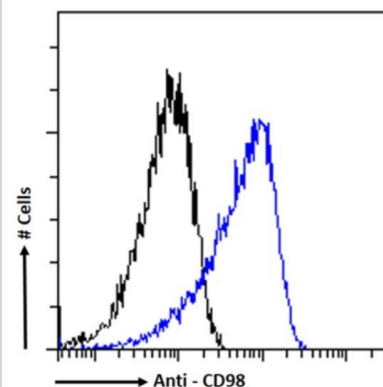
## Images

Immunocytochemistry/Immunofluorescence: SLC7A5/LAT1 Antibody (EP3-1) - Chimeric - Azide and BSA Free [NBP3-20116] -

Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells stained with the chimeric rabbit IgG version of EP3-1 (NBP3-20116) at 10 ug/ml for 1h followed by Alexa Fluor(R) 488 secondary antibody (2 ug/ml), showing membrane staining. The nuclear stain is DAPI (blue). Panels show from left-right, top-bottom NBP3-20116, DAPI, merged channels and an isotype control. The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor(R) 488 secondary antibody.



Flow Cytometry: SLC7A5/LAT1 Antibody (EP3-1) - Chimeric - Azide and BSA Free [NBP3-20116] - Paraformaldehyde fixed MCF7 cells permeabilized with 0.5% Triton were stained with anti-unknown specificity antibody (isotype control, black line) or the rabbit IgG version of EP3-1 (NBP3-20116, blue line) at a dilution of 1:100 for 1h at RT. After washing, the bound antibody was detected using a goat anti-rabbit IgG AlexaFluor(R) 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.





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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-33662PEP	SLC7A5/LAT1 Recombinant Protein Antigen
DVE00	VEGF [HRP]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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