

## 10-7516: Monoclonal antibody to CD44 (Clone: 156-3C11 )

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	156-3C11
<b>Application :</b>	IHC,FACS,WB,IF
<b>Reactivity :</b>	Human
<b>Gene :</b>	CD44
<b>Gene ID :</b>	960
<b>Uniprot ID :</b>	P16070
<b>Format :</b>	Purified
<b>Alternative Name :</b>	CD44,LHR,MDU2,MDU3,MIC4
<b>Isotype :</b>	Mouse IgG2a Kappa
<b>Immunogen Information :</b>	Stimulated human Leukocytes were taken as the immunogen for this antibody.

### Product Info

<b>Amount :</b>	25 µg / 100 µg
<b>Purification :</b>	Protein G Chromatography
<b>Content :</b>	25 µg in 50 µl/100 µg in 200 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

Western blot analysis: 2-4 µg/ml, FACS analysis: 0.5-1 µg/10<sup>6</sup> cells, Immunohistochemistry: 10-15 µg/ml, Immuno fluorescence: 1 mg/ml.

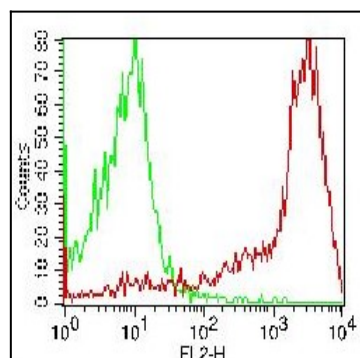


Fig:1- Cell Surface flow analysis of hCD44 in PBMC (Lymphocytes gated) using 0.5 µg antibody per 10<sup>6</sup> cells. Green represents isotype control (ABEOMICS); red represents anti-hCD44 antibody (10-7516). Goat anti-mouse PE conjugated secondary antibody was used (ABEOMICS).

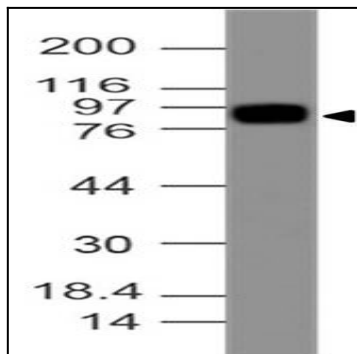


Fig:2- Expression analysis of CD44. Anti-CD44 antibody (Clone: 156-3C11) was tested at 2  $\mu$ g/ml on h Lungs lysate.

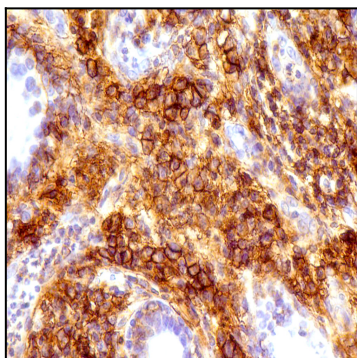


Fig-3: Immunohistochemical analysis of CD44 antibody in human Breast carcinoma tissue using 10  $\mu$ g/ml of Anti-hCD44 (Clone: 156-3C11).

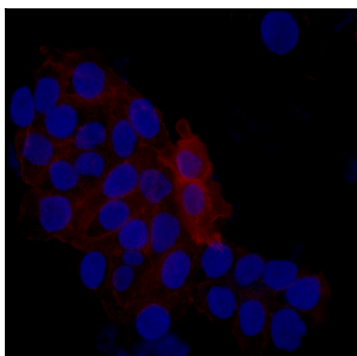


Fig-4: CAL33 cells were stained with CD44 antibody at 1mg/ml concentration followed by secondary alexa fluor 568 (1:500) and imaged with fluorescence microscope (400X).