




Product datasheet

DyLight® 488 Anti-KDEL antibody [10C3] - ER Marker
 ab115638

1 References 1 Image

Overview

Product name	DyLight® 488 Anti-KDEL antibody [10C3] - ER Marker
Description	DyLight® 488 Mouse monoclonal [10C3] to KDEL - ER Marker
Host species	Mouse
Conjugation	DyLight® 488. Ex: 493nm, Em: 518nm
Specificity	Recognizes proteins containing the KDEL sequence.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Rat, Human Predicted to work with: Bird, Plants, Mammals 
Immunogen	Synthetic peptide corresponding to Rat KDEL aa 600-700.  Run BLAST with ExPASy  Run BLAST with NCBI
Positive control	Jurkat cells.
General notes	This product was changed from ascites to tissue culture supernatant on 12 th September 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Protein G purified
Purification notes	Purified from TCS
Clonality	Monoclonal
Clone number	10C3
Isotype	IgG2a

Applications

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of **ab115638** in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

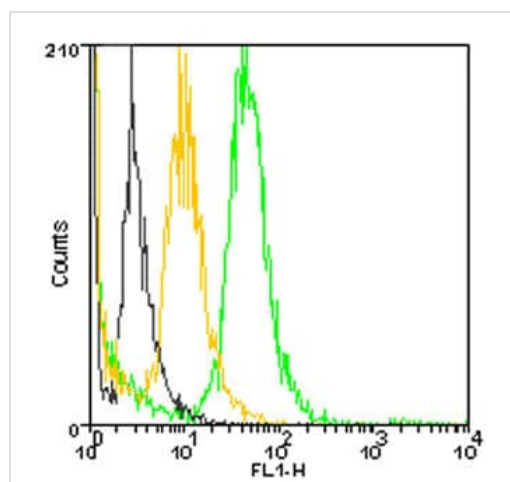
Application	Abreviews	Notes
Flow Cyt		1/20.

Target

Relevance The sequence Lys-Asp-Glu-Leu (KDEL) or a closely related sequence, is present at the carboxy-terminus of soluble endoplasmic reticulum (ER) resident proteins and some membrane proteins. 78 and 94 kDa glucose regulated proteins (GRP 78) and GRP 94 respectively and protein disulfide isomerase (PDI) all share the C-terminal KDEL sequence. The presence of carboxy-terminal KDEL appears to be necessary for ER retention and appears to be sufficient to reduce the secretion of proteins from the ER. This retention is reported to be mediated by a KDEL receptor.

Cellular localization Endoplasmic reticulum

Images



ab115638 at 10µg/ml staining KDEL in 10⁶ Jurkat cells by Flow cytometry (shown in green).

Grey: unstained; Yellow: isotype control.

Flow Cytometry - DyLight® 488 Anti-KDEL antibody
[10C3] - ER Marker (ab115638)

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