

PE Anti-DR5 antibody [MD5-1] ab95619

[1 Image](#)

Overview

Product name	PE Anti-DR5 antibody [MD5-1]
Description	PE Armenian hamster monoclonal [MD5-1] to DR5
Host species	Armenian hamster
Conjugation	PE. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Full length protein corresponding to Mouse DR5. Native protein
Positive control	Mouse DR5 transfected BHK cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.87% Sodium chloride, PBS</p>
Purity	Protein G purified
Clonality	Monoclonal
Clone number	MD5-1
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab95619 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		Use 0.125-0.25µg for 10 ⁵⁻⁸ cells. Staining the cell sample in a final volume of 100 µl is recommended.

Target

Function

Receptor for the cytotoxic ligand TNFSF10/TRAIL. The adapter molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Promotes the activation of NF-kappa-B. Essential for ER stress-induced apoptosis.

Tissue specificity

Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, stomach and throughout the intestinal tract; not detectable in brain.

Involvement in disease

Squamous cell carcinoma of the head and neck

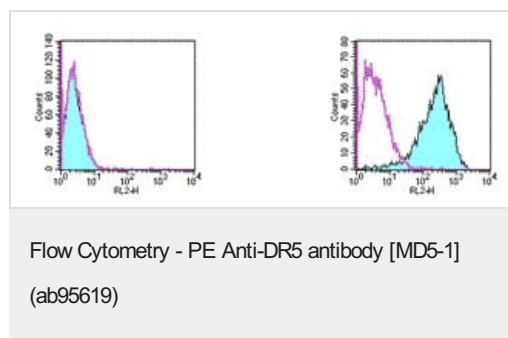
Sequence similarities

Contains 1 death domain.
Contains 3 TNFR-Cys repeats.

Cellular localization

Membrane.

Images



Flow cytometry staining of non-transfected (left) and mouse DR5 transfected (right) BHK cells with 0.125 µg of Golden Syrian Hamster IgG Isotype Control PE (open histogram) or 0.125 µg of ab95619 (filled histogram). Total viable cells were used for analysis.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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