

Product datasheet

APC Anti-sTRAIL Receptor 2 antibody [DR5-01-1]
ab243080

1 Image

Overview

Product name	APC Anti-sTRAIL Receptor 2 antibody [DR5-01-1]
Description	APC Mouse monoclonal [DR5-01-1] to sTRAIL Receptor 2
Host species	Mouse
Conjugation	APC. Ex: 645nm, Em: 660nm
Tested applications	Suitable for: Flow Cyt
Immunogen	Fusion protein corresponding to Human sTRAIL Receptor 2. Human IgG heavy chain and extracellular domain of sTRAIL Receptor 2 . Database link: O14763
Positive control	Flow Cyt: sTRAIL Receptor 2-transfectants.
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 the problem with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation.</p> <p>One factor contributing to the crisis is the use of antibodies that are not suitable. This can lead to misleading results and the use of incorrect data informing project assumptions and direction. To help address this challenge, we have introduced an application and species grid on our primary antibody datasheets to make it easy to simplify identification of the right antibody for your needs.</p> <p>Learn more here.</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.4 Preservative: 0.0975% Sodium azide Constituent: PBS
Purity	Size exclusion
Purification notes	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Clonality	Monoclonal

Clone number DR5-01-1
Isotype IgG1

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of **ab243080** 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 a concentration of 1 - 5 µg/ml.

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.

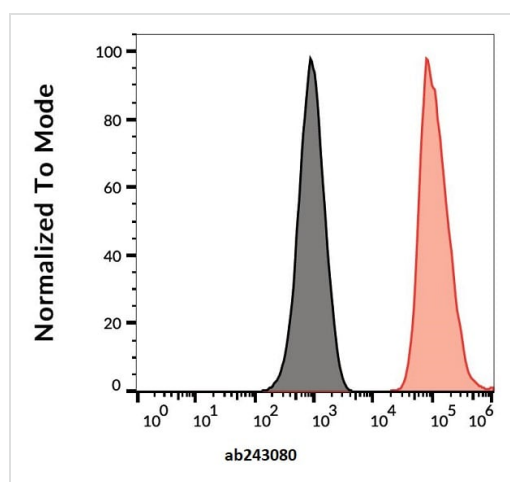
Tissue specificity Widely expressed in adult and fetal tissues; very highly expressed in tumor cell lines such as HeLaS3, K-562, HL-60, SW480, A-549 and G-361; highly expressed in heart, peripheral blood lymphocytes, liver, pancreas, spleen, thymus, prostate, ovary, uterus, placenta, testis, esophagus, 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 analysis of sTRAIL Receptor 2 transfectants labeling sTRAIL Receptor 2 with ab243080 at 2 µg/ml. Surface staining.

Flow Cytometry - APC Anti-sTRAIL Receptor 2 antibody [DR5-01-1] (ab243080)

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