

Product datasheet

Anti-DR5 antibody [MD5-1] - Low endotoxin, Azide free ab171248

Overview

Product name	Anti-DR5 antibody [MD5-1] - Low endotoxin, Azide free
Description	Armenian Hamster monoclonal [MD5-1] to DR5 - Low endotoxin, Azide free
Host species	Armenian hamster
Tested applications	Suitable for: Functional Studies, Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Mouse DR5 transfected cells
General notes	Endotoxin Level: Less than 0.001 ng/μg antibody, as determined by the LAL assay.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	Constituent: PBS Aqueous buffer, no sodium azide.
Purity	Protein G purified
Clonality	Monoclonal
Clone number	MD5-1
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab171248** 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
Functional Studies		Use at an assay dependent concentration.
Flow Cyt		Use 0.25µg for 10 ⁵⁻⁸ cells. (in a final volume of 100 µl). ab18479 - Armenian Hamster monoclonal IgG, is suitable for use as an isotype control with this antibody.

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.

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors