

Product datasheet

Anti-Simazine/Atrazine antibody [4D6] ab27148

Overview

| | |
|----------------------------|---|
| Product name | Anti-Simazine/Atrazine antibody [4D6] |
| Description | Mouse monoclonal [4D6] to Simazine/Atrazine |
| Host species | Mouse |
| Specificity | For this antibody, cross reactivities below 24% were found for terbuthylazine, desethylterbuthylazine and desisopropylatrazine. The antibody has not yet been tested against propazine. |
| Tested applications | Suitable for: ELISA |
| Species reactivity | Reacts with: Species independent |
| Immunogen | Simazine derivative coupled to carrier protein. |
| General notes | |

This antibody is highly reactive to surfaces coated with proteins conjugated with simazine derivatives. In a competitive assay the antibody can be inhibited by ppb amounts of free simazine and atrazine.

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.

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

Properties

| | |
|-------------------------------|--|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.40 Constituents: 0.0268% PBS, 2.9% Sodium chloride |
| Purity | Protein A purified |
| Primary antibody notes | This antibody is highly reactive to surfaces coated with proteins conjugated with simazine derivatives. In a competitive assay the antibody can be inhibited by ppb amounts of free simazine and atrazine. |

| | |
|-------------------------|-------------|
| Clonality | Monoclonal |
| Clone number | 4D6 |
| Myeloma | x63-Ag8.653 |
| Isotype | IgG1 |
| Light chain type | kappa |

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab27148 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 |
|-------------|-----------|-------------------------------------|
| ELISA | | Use at an assay dependent dilution. |

Target

Relevance Simazine and atrazine are triazine compounds which were commonly used as herbicides. They are now restricted use pesticides due to safety concerns and their levels in drinking water must be monitored.

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