

## Mucin-2 (MUC2) Antibody Pair

Catalogue No.: abx370346

Mucin 2 (MUC2) Antibody Pair for use in Sandwich ELISA assay development. This antibody pair contains:

Component	5 × 96 tests	10 × 96 tests
Capture Antibody	200 µg	400 µg
Biotin-Conjugated Detection Antibody	50 µg	100 µg
Standard	2 µg	10 µg

Please note that quantities and concentrations may change between different batches.

It is recommended to use this antibody pair with [abx098958 Antibody Pair Support Kit \(Sandwich Method\)](#).

<b>Target:</b>	Mucin-2 (MUC2)
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA
<b>Recommended dilutions:</b>	Dilute the Capture Antibody 125-fold with Coating Buffer. Dilute the Biotin-Conjugated Detection Antibody 200-fold with Detection Antibody Diluent. Optimal dilutions/concentrations should be determined by the end user.
<b>Form:</b>	Liquid (Capture Antibody and Detection Antibody)
<b>Reconstitution:</b>	Reconstitute the standard with Standard Diluent. The volume, and therefore standard concentration, should be determined by the end user.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	Q02817 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	MUC2
<b>GeneID:</b>	<a href="#">4583</a>
<b>OMIM:</b>	<a href="#">158370</a>
<b>HGNC:</b>	7512
<b>Ensembl:</b>	ENSG00000198788

# Datasheet

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<b>Buffer:</b>	The Capture and Detection Antibody both contain 0.1% sodium azide.
<b>Standard Form:</b>	Lyophilized
<b>Assay Type:</b>	Sandwich
<b>Capture Antibody Conjugation:</b>	Unconjugated
<b>Detection Antibody Conjugation:</b>	Biotin
<b>Concentration:</b>	Capture Antibody: 0.5 mg/ml Biotin-Conjugated Detection Antibody: 0.2 mg/ml
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.
<b>Directions for use:</b>	<p>Bring all components to room temperature (18-25°C) and briefly spin or centrifuge the vials before use. Working solutions should be prepared and used immediately.</p> <p><u>Recommended Procedure:</u></p> <ol style="list-style-type: none"><li>1. Dilute the Capture Antibody to working concentration using Coating Buffer. Immediately coat the 96-well plate with diluted Capture Antibody (100 µl per well). Seal the plate and incubate at 4 °C overnight or at 37 °C for 2 hours</li><li>2. Aspirate the wells and wash with Wash Buffer (350 µl per well) and allow to soak for 1-2 min. Remove the liquid by inverting and tapping the plate on to absorbent paper.</li><li>3. Block the plate with Blocking Buffer (200 µl per well) at 37 °C for 1.5 hours.</li><li>4. Repeat the aspiration/wash process in Step 2.</li><li>5. Add 100 µl of standards or sample into the appropriate wells. Cover with a plate sealer and incubate at 37 °C for 1 hour.</li><li>6. Repeat the aspiration/wash process in Step 2.</li><li>7. Add appropriately diluted Biotin-Conjugated Detection Antibody (100 µl per well). Cover the plate with a new plate sealer and incubate at 37 °C for 1 hour.</li><li>8. Repeat the aspiration/wash process in Step 2.</li><li>9. Add appropriately diluted Streptavidin HRP (100 µl per well). Cover the plate with a new plate sealer and incubate at 37 °C for 30 min.</li><li>10. Repeat the aspiration/wash process in Step 2.</li><li>11. Add Substrate Solution (90 µl per well). Cover the plate with a new plate sealer and incubate at 37 °C for 10-20 min. Keep the plate in the dark and avoid exposure to light.</li><li>12. Add Stop Solution (50 µl per well). Tap the side of the plate to ensure thorough mixing.</li><li>13. Measure the absorbance immediately using a microplate reader set at 450 nm.</li></ol>