

Tumor Necrosis Factor (TNF) Antibody Pair

Catalogue No.: abx370823

Tumor Necrosis Factor (TNF) Antibody Pair for use in Sandwich ELISA assay development. This antibody pair contains:

Component	5 × 96 tests	10 × 96 tests
Capture Antibody	210 µg	400 µg
Biotin-Conjugated Detection Antibody	30 µg	60 µg
Standard	20 ng	40 ng

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 \(Sandwich Method\)](#).

Target:	Tumor Necrosis Factor (TNF)
Research Area:	Immunology, Tumour Immunity, Infection Immunity
Reactivity:	Human
Tested Applications:	ELISA
Recommended dilutions:	Dilute the Capture Antibody 360-fold with Coating Buffer. Dilute the Biotin-Conjugated Detection Antibody 900-fold with Detection Antibody Diluent. Optimal dilutions/concentrations should be determined by the end user.
Form:	Liquid (Capture Antibody and Detection Antibody)
Reconstitution:	Reconstitute the standard with Standard Diluent. The volume, and therefore standard concentration, should be determined by the end user. The recommended reconstitution volume is 1.0 ml for a standard curve range of 31.2 pg/ml - 2000 pg/ml.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P01375 (UniProt , ExPASy)
Gene Symbol:	TNF
GeneID:	7124
OMIM:	191160
HGNC:	11892

Datasheet

Version: 3.0.0
Revision date: 08 Sep 2025



KEGG:	hsa:7124
Ensembl:	ENSG00000232810
String:	9606.ENSP00000398698
Buffer:	The Capture and Detection Antibody both contain 0.1% sodium azide.
Test Range:	31.2 pg/ml - 2000 pg/ml
Standard Form:	Lyophilized
Assay Type:	Sandwich
Capture Antibody Host:	Mouse
Detection Antibody Host:	Mouse
Capture Antibody Clonality:	Monoclonal
Detection Antibody Clonality:	Monoclonal
Capture Antibody Conjugation:	Unconjugated
Detection Antibody Conjugation:	Biotin
Concentration:	Capture Antibody: 1.26 mg/ml Biotin-Conjugated Detection Antibody: 1.8 mg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

Directions for use:

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.

Recommended Procedure:

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
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.
3. Block the plate with Blocking Buffer (200 µl per well) at 37 °C for 1.5 hours.
4. Repeat the aspiration/wash process in Step 2.
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.
6. Repeat the aspiration/wash process in Step 2.
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.
8. Repeat the aspiration/wash process in Step 2.
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.
10. Repeat the aspiration/wash process in Step 2.
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.
12. Add Stop Solution (50 µl per well). Tap the side of the plate to ensure thorough mixing.
13. Measure the absorbance immediately using a microplate reader set at 450 nm.