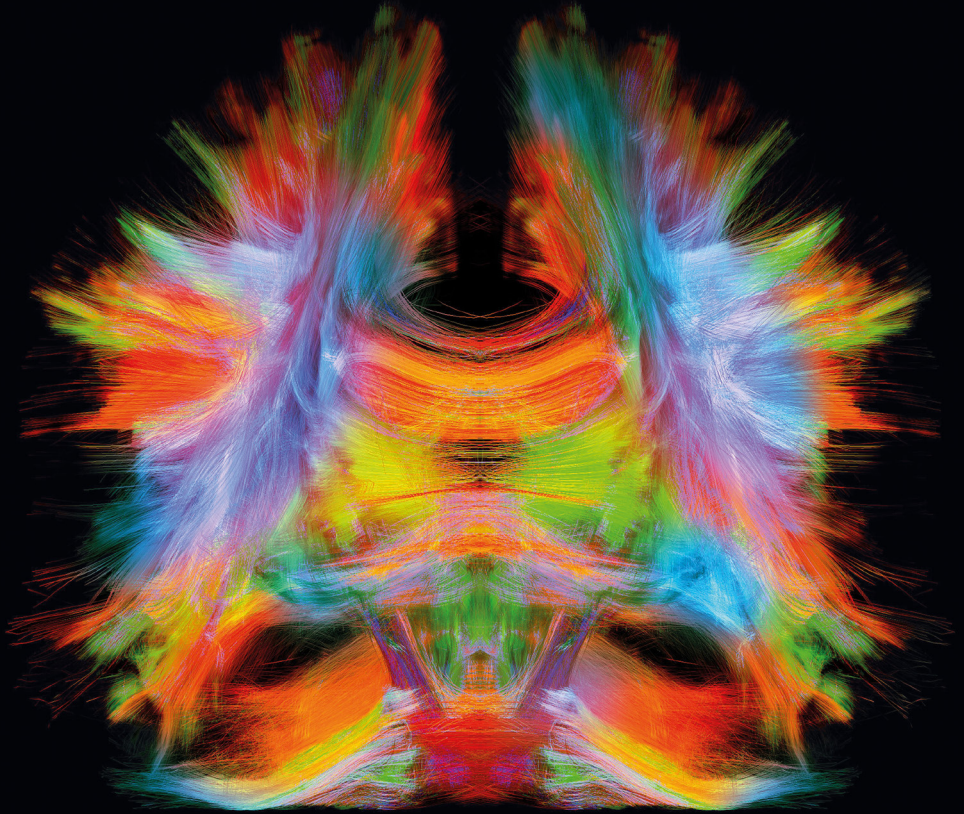


**Together,
we're advancing
neuroscience
research**



progress happens together
abcam

Abcam is committed to moving your research forward. That's why we develop innovative reagents and solutions.

- ✓ Recombinant antibodies
- ✓ Immunoassays
- ✓ Cell-based and biochemical assays
- ✓ Matched antibody pairs
- ✓ Cell lines
- ✓ Proteins

Precision recombinant antibodies

- ✓ **37,000** high-performance recombinant antibodies
- ✓ **600** knock-out validated antibodies
- ✓ **8,000** directly conjugated recombinant antibodies
- ✓ **>200** chimeric antibodies
- ✓ **>13,000** recombinant conjugation-ready antibodies

Batch-to-batch consistency

Our antibodies are validated in relevant applications, like immunohistochemistry and flow cytometry.

A growing portfolio of chimeric antibodies

- ✓ **Now offering 200+ chimeric antibodies that provide flexibility while retaining the sensitivity and specificity of our recombinant antibodies. Different species backbones for your multi-staining needs**
- ✓ **Chimeric antibodies maintain the specificity of a recombinant antibody**
- ✓ **Change of the constant region allows for use in multiplexing techniques**
- ✓ **Choice of isotypes, e.g., mouse (IgG1, IgG2a), rat (IgG2a), chicken (IgY), goat (IgG)**
- ✓ **Available in both standard and carrier-free formulations**

Featured products:

Recombinant Anti-NeuN antibody [EPR12763] – Mouse IgG2a (Chimeric) (ab279296)

Recombinant Anti-Iba1 antibody [EPR16589] – Mouse IgG1 (Chimeric) (ab283319)

Recombinant Anti-GFAP antibody [EPR1034Y] - Goat IgG (Chimeric) (ab302644)

Recombinant Anti-Synaptophysin antibody [YE269] - Mouse IgG1 (Chimeric) (ab309493)

Recombinant Anti-PSD95 antibody [EPR23124-118] - Synaptic Marker – Goat IgG (Chimeric)

Recombinant Anti-MAP2 antibody [EPR19691] - Chicken IgY (Chimeric) (ab318993) (ab317793)

New tools to support research of mitochondria-related pathways, lysosomes, and associated diseases

Featured products:

Recombinant Anti-mtTFA antibody [RM1035] (ab307302)

Recombinant Anti-TMEM175 antibody [EPR24415-47] (ab300457)

Recombinant Anti-Ubiquitin (phospho S65) antibody [30H3/30K1] (ab309155)

Recombinant Anti-PINK1 antibody [MJF-R32-7] (ab300623)



Search our recombinant antibodies

Development of precision recombinant antibodies to study ion channels, transporters, and receptors

- ✓ **180+ unique clones against a wide range of targets in our continuously evolving portfolio**
- ✓ **All clones comprehensively validated: suitability confirmed for multiple applications/species and tested with relevant tissue controls**

Featured products:

Recombinant Anti-TRPV1 antibody [EPR25057-67] (ab305299)
Recombinant Anti-TRPV4 antibody [EPR27068-39] (ab307444)
Recombinant Anti-P2X3 antibody [EPR26568-3] (ab300493)
Recombinant Anti-P2X7 antibody [EPR26989-11] (ab307718)
Recombinant Anti-P2Y12 antibody [EPR26298-93] (ab300140)
Recombinant Anti-Kir4.1/KCNJ10 antibody [EPR27251-74] (ab312844)

SimpleStep ELISA[®] kits and matched antibody pairs

- ✓ **Single-wash, easy protocol reduces assay time to 90 minutes or less**
- ✓ **High sensitivity, specificity, and reproducibility from superior antibodies**
- ✓ **Fully validated in biological samples**
- ✓ **Available in 96 or 384- well formats**
- ✓ **10-pack sizes**

Featured products:

Human Tau (4R isoforms) ELISA Kit (ab309282)
Mouse TREM2 ELISA Kit (ab309115/ab314369) Human 4R Tau Antibody Pair (ab309260)
PSD95 Antibody Pair (ab307900)
Human/Mouse LRRK2 Antibody Pair (ab307747) Human GBA Antibody Pair (ab309266)
Human NRXN3 ELISA Kit (ab313913)
Human Oligodendrocyte myelin glycoprotein ELISA Kit (ab313914)
Monkey IP-10 (CXCL10) ELISA Kit (ab314607)
Human Tau (phospho T217) ELISA Kit (ab318935)
Human Acetylcholinesterase ELISA Kit (ab318934/ab318933)
Human S100B ELISA Kit - Extracellular (ab314846)



Search our SimpleStep ELISA kits

Ready-made knock-out cell lines and lysates

- ✓ **Clonal, ready-made, and physiologically relevant**
- ✓ **Knock-out confirmed by genomic and proteomic validation**
- ✓ **Knock-out cells to over 300 neurology targets in neuronal cell backgrounds to provide meaningful cell models**

Featured products:

Human TREM2 knock-out THP-1 cell line (ab269489)

Human GBA knock-out HeLa cell line (ab265038)

Human PARK2 (Parkin) knock-out SH-SY5Y cell line (ab280042)

Human TMEM175 knock-out HeLa cell line (ab265571)

Human SNCA (Alpha-synuclein) knock-out HEK-293T cell line (ab255433)

Human MS4A1 (CD20) knock-out Raji cell line (ab273871)

Human PINK1 knock-out SH-SY5Y cell line (ab280876)



Search our range of cell lines and lysates

Bioactive proteins

- ✓ **670+ bioactive proteins added to our catalog**

Featured products:

Recombinant Human SNCA Protein (ab314423)

Recombinant Human GDNF Protein (ab313695)

Recombinant Human IL-3 Protein (Active) (ab259404)

Recombinant Human IL-6 Protein (Active) (ab259381)

Recombinant Human SCF Protein (Active) (ab259391)

Recombinant Human VEGF 165A Protein (Active) (ab259412)

Recombinant Human GM-CSF Protein (Active) (ab259376)

Recombinant Human M-CSF Protein (Active) (ab259396)



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Genetics Research
Winner



CiteAb

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the Year
Highly Commended

Keep your research moving with our tools

Primary antibodies

37,000+ recombinant antibodies for unrivalled specificity, with no batch-to-batch variation, including KO validated antibodies

ELISA kits

<90-minute experiments, matched pairs for scalability

Conjugation technologies

Custom formulation and conjugation services

Bioactive proteins

Extensively tested and validated for batch-to-batch consistency

Biochemical and Cell-Based Assays

Optimised assays for metabolism, cell signalling, cell viability and more

Conjugation ready-antibody formats

Carrier-free and custom formulations

KO cell lines and KO cell lysates

Get quick access to CRISPR with our CRISPR Cas-9 edited cell lines and lysates

Abcam Biophysical Quality Control - the next step in antibody quality control

Delivering robust, reproducible, and quality results.

So far

75%

of our recombinant antibodies have undergone
biophysical quality control...

for a unique
**molecular
fingerprint**
that confirms
identity at the
molecular level
for guaranteed
lot-to-lot
consistency



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*Speed up your Alzheimer's
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to **>95% of core AD targets***



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ab181421

Human TNF alpha ELISA Kit

Human TNF alpha ELISA Kit is a single-wash 90-min SimpleStep ELISA® for the quantitation of human TNF alpha in Cerebral Spinal Fluid, Heparin Plasma, Citrate plasma, Cell culture supernatant, Serum, EDTA Plasma

5 ★★★★★ (4 reviews)

Recombinant SimpleStep

Alternative names: DIF, Tnf, APC1, TNFA, TNF a, TNF-a, TNFSF2, Cachectin, TNF-alpha, TNFA, TNF monocyte derived, TNF, monocyte derived, Tumor necrosis factor, TNF macrophage derived, TNF superfamily member 2, TNF superfamily member 2, TNF superfamily, member 2, Macrophage

[Show more](#)

Detection method
Colorimetric

Sample types
Cerebral Spinal Fluid, Heparin Plasma, Citrate plasma, Cell culture supernatant, Serum, EDTA Plasma

Reactive species
Human

Range
15.63 - 1000 pg/mL

Sensitivity
= 4.32 pg/mL

Customer reviews

5 ★★★★★ 4 reviews

[Write a review](#)

Reviewers receive a reward from abcam's Loyalty Program in thanks for submitting reviews and for helping the scientific community make better-informed decisions.

Rating

☐ 5 ★★★★★ 4
☐ 4 ★★★★★ 0
☐ 3 ★★★★★ 0
☐ 2 ★★★★★ 0
☐ 1 ★★★★★ 0

Sort by

Newest

4 Reviews

May 5, 2023

TNF-α in human saliva samples

★★★★★ Excellent

■ ■ ■ ■ ■ Excellent (Ease of use)



Write a review

Choose your product, application and species below, then click "Create an Abreview". On the next page you can complete and submit your review.

For help with any aspect of the Abreviews system, please send an email to abreviews@abcam.com.

Product code
e.g. ab290, or just 290

Application
Select an option

① Earn points every time you leave a product review

Your first product review could earn you up to 720 points, worth a \$150 discount on your next order!

How to earn	Points
Leave your first review	500 bonus
Submit a review	120
Upload an image	100
Every fifth review	250 bonus

Review submitted

Your review has been submitted. We will email you will earn reward points if it is published on the ab

② Unlock rewards by building your points

Reach 70 points and unlock a \$15 discount that can be applied to your next order. The more points earned, the bigger the reward.

Points	Reward
70	\$15
140	\$30
350	\$75
700	\$150

My points balance

70 Points

Way to go! You've earned reward points

After you redeem a reward, it will be deducted fr

③ See your points grow

Log in to your account and select My Rewards to easily track your points balance.

Redeem your reward points

You currently have no points to redeem. Learn how to earn points [here](#)

Points	Rewards
70	£10 discount off next order
140	£20 discount off next order

④ Redeem your reward

Use your points to unlock discount codes and apply them to your next order.

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- Good for all standard orders placed for your organization

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Eligibility requirements:

- Applications must be submitted by an employee of the applicant company
- Applicant companies must have been founded within the past four years

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newbiotech@abcam.com

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for three months**

Starting a new lab or navigating the grant process can be challenging. Let Abcam help you get your lab up and running with 20% off and free shipping for three months.

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- Flexible start time (up to a year after the registration date)
- Good for all standard orders placed for your lab

Register here:

www.abcam.com/en-nl/offers-and-initiatives/new-lab-program



Eligibility requirements:

- Program participants must be a principal investigator/lab manager from an academic institution or official affiliate organization.
- Program participants must either be starting/moving to a new lab or be a first-time grant recipient.

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About Danaher

Abcam has been part of Danaher Corporation since 2023. We are a global science and technology innovator committed to helping customers solve complex challenges and improving quality of life around the world.

- Founded in 1984
- Headquartered in Washington DC
- 40 operating companies
- Global team of ~71,000 associates



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