



Antibodies

Antibodies

See Also

SureBeads
magnetic
beads system:
page 2.

Bio-Rad offers an extensive selection of antibodies commercialized through AbD Serotec®, a Bio-Rad company.

More than 11,000 antibodies, kits, reagents, standards, and controls are available for research use. Specificity and performance are hallmarks of the antibody collection. Antibodies can be used for many applications, including:

- Western blotting
- Flow cytometry
- Immunohistochemistry
- Enzyme-linked immunosorbent assay
- Immunofluorescence

Antibodies are available for the following research areas:

- Innate immunity
- Veterinary immunology
- Cell biology
- Apoptosis and autophagy
- Microbiology
- Neuroscience
- Immunology
- Stem cell research
- Endocrinology

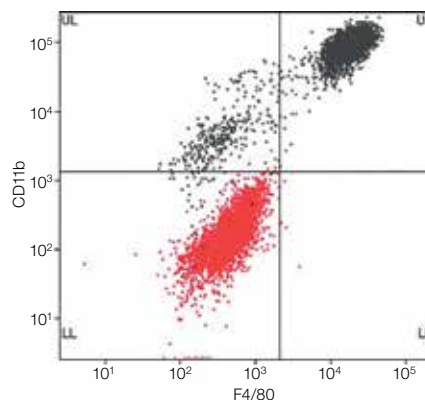
Antibodies conjugated to over 20 dyes, including Alexa Fluor, DyLight, fluorescein isothiocyanate (FITC), and phycoerythrin (PE), for multicolor flow cytometry are also available.

In addition, Bio-Rad offers the PrecisionAb™ antibody product line, which is exclusively validated for western blotting (see page 277).

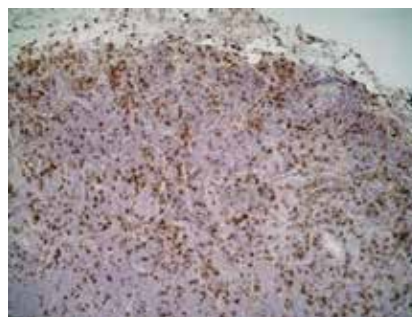
HuCAL® Technology

AbD Serotec uses the HuCAL technology to offer a custom service for the in vitro generation of fully human monoclonal antibodies. With this technique, specific Fab antibodies can be generated within 8 weeks, with a greater than 90% success rate and without the immunization of animals. The HuCAL PLATINUM® library contains more than 45 billion functional human antibody specificities already prefabricated in an engineered Fab format. The technology uses CysDisplay®, a novel and proprietary phage display method that allows for the selection of high-affinity antibodies that are expressed on the surface of filamentous phage. Antibodies can be customized to specific needs.

Antibodies are highly specific and come with a performance guarantee. The following data show two of the many highly specific antibody clones that are unique to AbD Serotec.



Flow cytometry analysis of anti-mouse F4/80, a macrophage marker. Forward scatter and side scatter gated mouse peritoneal macrophages were dual stained with F4/80-FITC conjugated at a 1/5 dilution and CD11b-Alexa Fluor 647 conjugated at a 1/5 dilution. The isotype control pair is shown in red. Fc receptors were blocked by mouse seroblock.



Immunoperoxidase staining of anti-rat CD68, a macrophage marker. A rat lymph node cryosection was probed with mouse anti-rat CD68 antibody, clone ED1, followed by horseradish peroxidase-conjugated goat anti-mouse IgG₁ antibody.

For More Information
Web: abdserotec.com

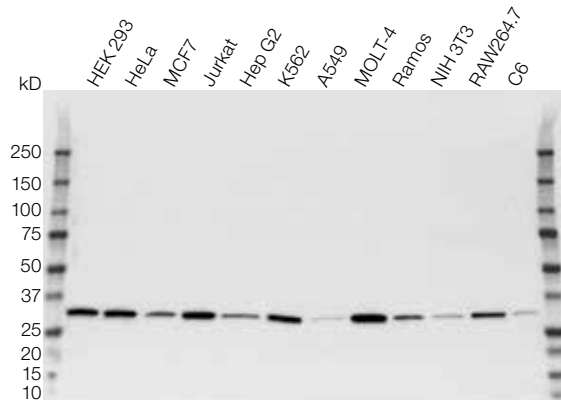
New PrecisionAb™ Validated Western Blotting Antibodies

PrecisionAb antibodies are highly validated for western blotting applications. Each antibody is screened using Bio-Rad's V3 Western Workflow™ against up to 12 whole-cell lysates expressing endogenous protein levels. Stringent validation and quality control (QC) procedures ensure that PrecisionAb Antibodies deliver industry-leading quality and performance.



Product features include:

- **High specificity** — each antibody is extensively validated to ensure that it exhibits low nonspecific binding
- **High sensitivity** — all antibodies must be able to detect the protein of interest at endogenous levels
- **Reproducible performance** — stringent QC procedures ensure consistent lot-to-lot performance
- **Trial kits for every antibody** — each PrecisionAb Antibody is available in a convenient 2–western blot format for a cost-effective way to assess antibody performance
- **Positive control lysate** — positive control lysate is provided to facilitate target band identification and troubleshooting of experimental procedures
- **Full antibody validation results and protocol** — the entire western blot is displayed for a complete picture of antibody performance; a detailed validation protocol is provided to help optimize experimental conditions



Antibodies are validated against 12 whole-cell lysates (not overexpressed proteins). This blot represents one such validation, with the arrow indicating the presence of CDK2 protein in the various cell lysates.

All PrecisionAb Antibodies are available in three formats:



Antibody with Control
Minimum ten western blots
(100 µl)



Trial Size with Control
Minimum two western blots
(20 µl)



Antibody Only
(100 µl)

For More Information
Web: bio-rad.com/PrecisionAb

