

Monoclonal Antibody to Human CD3

Alternate names:	CD247, CD3 delta chain, CD3 epsilon chain, CD3 gamma chain, CD3 zeta chain, CD3D, CD3E, CD3G, CD3Z, T-cell surface glycoprotein CD3, T3D, T3G, T3Z, TCRZ
Catalog No.:	DM3036
Quantity:	0.2 mg
Concentration:	0.4 mg/ml
Host / Isotype:	Mouse / IgG2a
Recommended Isotype Controls:	AM03096PU-N
Clone:	33.2A3
Immunogen:	Human leucocytes

Format: This antibody is supplied as liquid, purified immunoglobulin fraction in 50 mM Sodium Borate, 150 mM Sodium Chloride, 20% Glycerol and 0.05% Sodium azide, pH 8.0.

Applications: Immunofluorescence (5-20 µg/ml). Immunohistochemistry on frozen and formalin-fixed paraffin-embedded tissue sections (5-20 µg/ml using avidin-biotin system; An antigen demasking procedure is recommended when using formalin-fixed paraffin-embedded tissue sections). Flow cytometry (1-5 µg/10⁶ cells). Western Blotting (1-5 µg/ml). Recommended positive control: Tonsil, Thymus, Spleen. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This antibody reacts with the human CD3 antigen of the TCR/CD3 complex. Other species not tested. This MAb is clustered in the 6th International Leucocytes Workshop on human leucocyte differentiation antigens in Kobe, Japan.

Storage: Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

Aliquoting Instructions: Do not dilute the entire reconstituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good diluent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

General Readings: 1. Alberola-Ila J, Places L, de la Calle O, Romero M, Yagüe J, Gallart T, et al. Stimulation through the TCR/CD3 complex up-regulates the CD2 surface expression on human T lymphocytes. J Immunol. 1991 Feb 15;146(4):1085-92. PubMed PMID: 1671400.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com



2. McMicvhael, A.J. etal, Leucocyte Typing III, Oxford University Press, 1987.
3. Knapp, W. etal, Leucocyte Typing IV, Oxford Un