

Goat anti-CD3E (cytoplasmic) Antibody

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| Item Number | dAP-3189 |
| Target Molecule | Principle Name: CD3E (cytoplasmic); Official Symbol: CD3E; All Names and Symbols: CD3E; CD3e molecule, epsilon (CD3-TCR complex); IMD18; T3E; TCRE; CD3-epsilon; CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell antigen receptor complex, epsilon subunit of T3; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell surface glycopro; Accession Number (s): NP_000724.1; Human Gene ID(s): 916; Non-Human GeneID(s): 315609 (rat) |
| Immunogen | RKGQRDLYSGLNQR, is from internal region This antibody is designed to recognize the cytoplasmic domain (aa153-207) of the protein. |
| Applications | Pep ELISA, WB Species Tested: Human |
| Purification | Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide. |
| Supplied As | Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing. |
| Peptide ELISA | Peptide ELISA: antibody detection limit dilution 1 to 128000. |
| Western Blot | Western Blot: Approx 22kDa band observed in lysates of cell lines Jurkat and Molt4 (calculated MW of 23.1kDa according to NP_000724.1). Recommended concentration: 0.1-0.3µg/ml. |
| IHC | |
| Reference | Reference(s): Gagnon E, Schubert DA, Gordo S, Chu HH, Wucherpfennig KW. Local changes in lipid environment of TCR microclusters regulate membrane binding by the CD3ε cytoplasmic domain. <i>The Journal of experimental medicine</i> 2012 Dec 209 (13): 2423-39.. PMID: 23166358-> |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**