

# CD3 Delta Monoclonal antibody

Catalog Number: 60194-1-Ig

## Basic Information

**Catalog Number:**

60194-1-Ig

**Size:**

1400 ug/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG10207

**GenBank Accession Number:**

BC070321

**GeneID (NCBI):**

915

**UNIPROT ID:**

P04234

**Full Name:**

CD3d molecule, delta (CD3-TCR complex)

**Calculated MW:**

171 aa, 19 kDa

**Observed MW:**

25 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

3A12H2

**Recommended Dilutions:**

WB 1:500-1:2000

## Applications

**Tested Applications:**

WB, ELISA

**Species Specificity:**

human, mouse

**Positive Controls:**

WB : jurkat cells,

## Background Information

CD3 is a complex of proteins that directly associates with the T cell receptor (TCR). The TCR/CD3 complex of T-lymphocytes consists of either a TCR alpha/beta or TCR gamma/delta heterodimer coexpressed at the cell surface with the invariant subunits of CD3 labeled gamma, delta, epsilon, zeta, and eta. The TCR recognizes antigens bound to major histocompatibility complex (MHC) molecules. TCR-mediated peptide-MHC recognition is transmitted to the CD3 complex, leading to the intracellular signal transduction. CD3 is considered to be a pan-T cell marker for detection of normal and neoplastic T cells. CD3 delta/CD3D is a single-pass type I membrane protein which consists of an extracellular domain of 84 amino acids, a transmembrane region, and a cytoplasmic domain of 45 amino acids. Defects in CD3 delta are a cause of severe combined immunodeficiency.

## Storage

**Storage:**

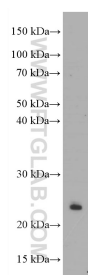
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



jurkat cells were subjected to SDS PAGE followed by western blot with 60194-1-Ig (CD3 delta antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.