

## Product datasheet for **TA354164**

### CD247 Rabbit Polyclonal Antibody

#### Product data:

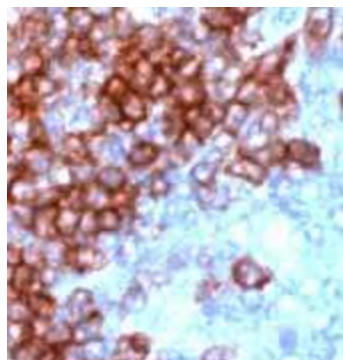
Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	WB 0.1-1 µg/ml ELISA 0.01-0.1 µg/ml IP 2-5 µg/ml IHC 2-10 µg/ml FC 5-10 µg/ml
Reactivity:	Human, Monkey, Dog
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide corresponding to extracellular domain of human CD3.
Formulation:	This affinity purified antibody is supplied in sterile Phosphate buffered saline (pH7.2) containing antibody stabilizer.
Purification:	The Rabbit IgG is purified by Epitope Affinity Purification
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	~23 kDa
Gene Name:	CD247 molecule
Database Link:	<a href="#">NP_000725</a> <a href="#">Entrez Gene 611571 Dog</a> <a href="#">Entrez Gene 697814 Monkey</a> <a href="#">Entrez Gene 919 Human</a> <a href="#">P20963</a>
Background:	CD3 is a glycoprotein consisting of up to five polypeptide chains (gp20, gp26, p16, p20, p28). CD3 is required for proper assembly, trafficking and surface expression of TCR complex. CD3 is expressed by thymocytes in a developmentally regulated manner and by all mature T cells. CD3 is involved in T cell activation, proliferation and apoptosis pathway. This protein is present on virtually all peripheral blood T cells and thymocytes. This anti-CD3 antibody is commonly used as a phenotypic marker for human T cells.
Synonyms:	CD3-ZETA; CD3H; CD3Q; CD3Z; IMD25; T3Z; TCRZ
Protein Families:	Druggable Genome, Transmembrane



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Protein Pathways: Natural killer cell mediated cytotoxicity, T cell receptor signaling pathway

**Product images:**



IHC: Human tonsil tissue stained with Anti-CD3 antibody at 1:100 for 10 min at RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.