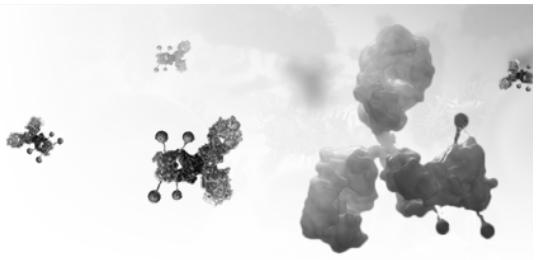

Anti-CD247 monoclonal antibody, clone 5E20B7 (DCABH-10885)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is T-cell receptor zeta, which together with T-cell receptor alpha/beta and gamma/delta heterodimers, and with CD3-gamma, -delta and -epsilon, forms the T-cell receptor-CD3 complex. The zeta chain plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the antigen results in impaired immune response. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.
Immunogen	Recombinant protein corresponding to human CD247.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5E20B7
Conjugate	Unconjugated
Applications	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections); ELISA; Flow Cytometry
Format	Lyophilized
Buffer	Lyophilized from PBS
Preservative	None
Storage	Store at 4°C on dry atmosphere.After reconstitution with sterile deionized water, store at -20°C or lower.Aliquot to avoid repeated freezing and thawing.

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GENE INFORMATION

Gene Name	CD247 CD247 molecule [Homo sapiens]
Official Symbol	CD247
Synonyms	CD247; CD247 molecule; CD3Z, CD3z antigen, zeta polypeptide (TiT3 complex) , CD247 antigen; T-cell surface glycoprotein CD3 zeta chain; CD3H; CD3Q; CD3zeta chain; TCR zeta chain; CD247 antigen, zeta subunit; T-cell receptor T3 zeta chain; CD3Z antigen, zeta polypeptide (TiT3 complex); T-cell antigen receptor complex, zeta subunit of CD3; T3Z; CD3Z; TCRZ; CD3-ZETA;
Entrez Gene ID	919
Protein Refseq	NP_000725
UniProt ID	P20963
Chromosome Location	1q22-q25
Pathway	Adaptive Immune System, organism-specific biosystem; CXCR4-mediated signaling events, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Disease, organism-specific biosystem; Downstream TCR signaling, organism-specific biosystem;
Function	identical protein binding; protein binding; protein homodimerization activity; receptor activity; transmembrane signaling receptor activity;

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