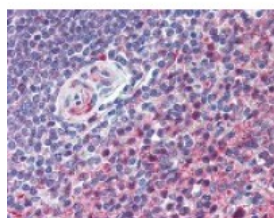




CD97 Antibody

CATALOG NUMBER: 48-920



Immunohistochemistry staining of CD97 in spleen tissue using CD97 Antibody.

Specifications

SPECIES REACTIVITY:	Monkey
TESTED APPLICATIONS:	
APPLICATIONS:	CD97 antibody can be used in ELISA, Western Blot, and immunohistochemistry starting at 5 ug/mL.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
SPECIFICITY:	A portion of amino acids 220-270 of human Leukocyte Antigen CD97.
IMMUNOGEN:	A portion of amino acids 220-270 of human Leukocyte Antigen CD97.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Immunoaffinity Chromatography
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.2% gelatin, 0.05% sodium azide.
STORAGE CONDITIONS:	CD97 antibody can be stored short term 4 °C. For long term storage aliquot and store at -20 °C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	CD97, CD97 molecule, Leukocyte antigen CD97, TM7LN1, CD97 antigen
ACCESSION NO.:	P48960
PROTEIN GI NO.:	90110013
OFFICIAL SYMBOL:	CD97
GENE ID:	976

Background

BACKGROUND:	CD97, a CD55 Receptor, is a leukocyte antigen located on most activated leukocytes. CD97 is highly homologous to EMR2 with five EGF-like domains in the N-terminal extracellular domain, suggesting that it may
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be involved in cell signaling as well as in cell adhesion (Hamann et al., 1996). Two variants are produced by alternative splicing, where the shorter form lacks exons 5 and 6 and reduces the number of EGF-like domains from 5 to 3, compared to the full-length isoform. CD97 is associated with with the activated lesions of multiple sclerosis. CD97 expression is also implicated in the dedifferentiation of colon and thyroid tumors.

FOR RESEARCH USE ONLY

December 13, 2016