

Product datasheet for TA358272

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

HLAE (HLA-E) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies

Applications: WB

Reactivity: Human Host: Rabbit

Clonality: Polyclonal

Specificity: Expected reactivity: Goat, Human, Pig

Homology: Goat: 83%; Human: 100%; Pig: 93%

Formulation: Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2%

sucrose.

Note that this product is shipped as lyophilized powder to China customers.

Concentration: lot specific

Purification: Affinity Purified
Conjugation: Unconjugated

Storage: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.

Stability: Shelf life: one year from despatch.

Predicted Protein Size: 38kDa

Gene Name: major histocompatibility complex, class I, E

Database Link: NP 005507

Entrez Gene 3133 Human

P13747

Background: HLA-E belongs to the HLA class I heavy chain paralogues. This class I molecule is a

heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. HLA-E binds a restricted subset of peptides derived from the leader peptides of other class I molecules. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the

cytoplasmic tail.





HLAE (HLA-E) Rabbit Polyclonal Antibody - TA358272

Synonyms: EA1.2; EA2.1; HLA-6.2; MHC; QA1

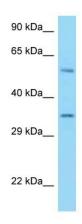
Protein Families: Transmembrane

Protein Pathways: Allograft rejection, Antigen processing and presentation, Autoimmune thyroid disease, Cell

adhesion molecules (CAMs), Endocytosis, Graft-versus-host disease, Natural killer cell

mediated cytotoxicity, Type I diabetes mellitus, Viral myocarditis

Product images:



WB Suggested Anti-HLA-E Antibody

Titration: 1.0 ug/ml

Positive Control: U937 Whole Cell