

Recombinant Human CD98 protein ,N- His Tag

CatalogNo: YD2219

Key Features

Reactivity

- Human

Storage

Storage* Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 °C for one week . Store at -20 to -80 °C for twelve months from the date of receipt.

Formulation Supplied as solution form in PBS pH 7.5./ Lyophilized from PBS pH 7.5.

Recommended Dilution Ratios

Reconstitute in sterile water for a stock solution

Basic Information

Source Mammalian cells

Purification Mammalian cells

Purity >90% as determined by SDS-PAGE

Immunogen Information

Sequence A DNA sequence encoding the human SLC3A2(Arg206-Ala630) was fused with the N-terminal His Tag

Target Information

Protein Name**Organism****Gene ID****UniProt ID**

Human

[6520;](#)[P08195;](#)**Cellular
Localization**

Apical cell membrane . Cell membrane ; Single-pass type II membrane protein . Cell junction . Lysosome membrane . Melanosome . Localized at the plasma membrane when associated with SLC7A5/LAT1 or SLC7A8/LAT2 (PubMed:9751058, PubMed:11311135). Localized to the apical membrane of placental syncytiotrophoblastic cells (PubMed:11742812). Recruited to lysosomes by LAPT4B (PubMed:25998567). Identified by mass spectrometry in melanosome fractions from stage I to stage IV (PubMed:17081065). Located selectively at cell-cell adhesion sites (By similarity). Colocalized with SLC7A8/LAT2 at the basolateral membrane of kidney proximal tubules and small intestine epithelia. Expressed in both luminal and abluminal membranes of brain capillary endothelial cells (By similarity). .

Tissue specificity

Expressed ubiquitously in all tissues tested with highest levels detected in kidney, placenta and testis and weakest level in thymus. During gestation, expression in the placenta was significantly stronger at full-term than at the mid-trimester stage. Expressed in HUVECS and at low levels in resting peripheral blood T-lymphocytes and quiescent fibroblasts. Also expressed in fetal liver and in the astrocytic process of primary astrocytic gliomas. Expressed in retinal endothelial cells and in the intestinal epithelial cell line C2BBE1.

| Validation Data

| Contact information

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Recombinant Human CD98 protein ,N- His Tag

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