

Anti-CD98 heavy chain [HBJ127] Bulk size

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Description: Recombinant monoclonal antibody to CD98 heavy chain. Manufactured using AbAb's Recombinant Platform with variable regions (i.e. specificity) from the hybridoma HBJ127.

Isotype and Format: Human IgG1,

Clone Number: HBJ127

UniProt Accession Number of Target Protein:

Published Application(s): block; activate; ELISA; IF

Published Species Reactivity: Human

Immunogen: HBJ127 was obtained from hybridomas generated by the fusion of mouse myeloma cells and spleen cells from mice which had been immunized with T24 human bladder cancer cells.

Specificity: HBJ127 binds to the CD98 heavy chain at an epitope consisting of residues AFS (aa 442-444) (Itoh et al, 2007). The antibody has not been shown to cross-react with other species. CD98 is expressed at high levels on monocytes and at very low level on peripheral blood T and B lymphocytes, splenocytes, NK cells and granulocytes. CD98 is a disulfide-linked and glycosylated type II integral membrane protein. This protein has roles in normal and neoplastic cell growth and is required for the function of light chain amino acid transporters. It is also involved in sodium-independent transport of large neutral amino acids and in guiding and targeting LAT1 and LAT2 to the plasma membrane. When associated with SLC7A6 or SLC7A7, CD98 acts as an arginine/glutamine exchanger.

Antibody First Published in:

Yagita et al. J Immunol. 1986 Mar 15;136(6):2055-61. [PMID:3950410](#) **Note on publication:**

Describes the in vitro effect of HBJ127 and other mAbs on lymphocyte activation and proliferation, and gave evidence to suggest that the HBJ127 antigen was important in the activation of lymphocytes and its subsequent progression through the cell cycle.

Product Form

This is a Bulk size product. Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied in: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: See vial label

Product Code: Ab00794-10.0-BT

Human IgG1

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.