

## Anti-gH [YC15] Standard Size Ab00925-2.0

**Isotype and Format:** Mouse IgG2a, Kappa

**Clone Number:** YC15

**Alternative Name(s) of Target:** Glycoprotein H; Kaposi's sarcoma-associated herpesvirus glycoprotein H; KSHV glycoprotein H; KSHV gH; KSHV envelope glycoprotein H; Envelope glycoprotein H

**UniProt Accession Number of Target Protein:** F5HAK9

**Published Application(s):** NTRL, WB, FC, IHC

**Published Species Reactivity:** KSHV

**Immunogen:** Antibodies were produced from a murine hybridoma.

**Specificity:** YC15 was shown to bind ectopically-expressed gH on transfected cell lines, as well as neutralise infection by KSHV virions (unpublished observations). Kaposi's sarcoma is a rare type of cancer, characterised by neoplastic growth, often associated with AIDS.

**Application Notes:** The YC15 variable domain sequences were cloned and redesigned into the scFv format (Cai & Berger, 2011), and further fused to PE38, a construct of *Pseudomonas aeruginosa* exotoxin A which is lacking the N-terminal cell adhesion domain. In this format, YC15 showed specific dose-dependent binding to surface-expressed gH using flow cytometry. As an immunotoxin with the fused *P. aeruginosa* PE38 construct, YC15 facilitated potent cytotoxic activity based on recognition of surface gH epitopes.

**Antibody First Published in:** Cai & Berger. An immunotoxin targeting the gH glycoprotein of KSHV for selective killing of cells in the lytic phase of infection. *Antiviral Res.* 2011 Jun;90(3):143-50. [PMID:21440007](#)

**Note on publication:** Describes the reformatting of YC15 variable domains (obtained in an unpublished study) as a YC15-scFv-PE38 immunotoxin. The gH-binding properties of YC15 were shown to be retained.

## Product Form

**Size:** 200 µg Purified antibody.

**Purification:** Protein A affinity purified

**Supplied In:** PBS with 0.02% Proclin 300.

**Storage Recommendation:** Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Concentration:** 1 mg/ml.

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