

## Anti-GJB2 Antibody (1P852)

## Product Details

Ig Type:	Mouse IgG2a
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	1P852
Purification:	Affinity-chromatography

## Applications

Verified Activity:	<p>1. IHC image of TMAH-00494 diluted at 1:100 and staining in paraffin-embedded human gastric cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-Mouse IgG labeled by HRP and visualized using 0.05% DAB.</p> <p>2. Overlay Peak curve showing JK cells surface stained with TMAH-00494 (red line) at 1:100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1<math>\mu</math>g/1*10<sup>6</sup> cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-Mouse IgG(H+L) at 1/200 dilution for 35 min at 4°C. Isotype control antibody (green line) was mouse IgG1 (1<math>\mu</math>g/1*10<sup>6</sup> cells) used under the same conditions. Acquisition of &gt;10,002 events was performed.</p>
Application:	ELISA,FCM,IHC
Recommended	IHC:1:20-1:200; FCM:1:20-1:200.

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein: Human GJB2 Protein
Antigen Species:	Human
Gene ID:	2706
Uniprot ID:	P29033
Synonyms:	connexin 26;KID;Connexin-26;CXB2;HID;Gap junction beta-2 protein;NSRD1;GJB 2;Cx26;PPK;DFNB1;DFNA3
Biology Area:	Neuroscience, Signal transduction

## Research Background

Structural component of gap junctions. Gap junctions are dodecameric channels that connect the cytoplasm of adjoining cells. They are formed by the docking of two hexameric hemichannels, one from each cell membrane. Small molecules and ions diffuse from one cell to a neighboring cell via the central pore.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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