

## HLA-G

**Reactivity:** Human

**Tested applications:** WB

**Recommended Dilution:** WB 1:500 - 1:2000

**Calculated MW:** 38kDa

**Observed MW:** Refer to figures

**Immunogen:**

Recombinant protein of human HLA-G

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

MHC-G;

**Catalog #:** A7557

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 3135

**Isotype:** IgG

**Swiss Prot:** P17693

**Purity:** Affinity purification

For research use only.

**Background:**

HLA-G 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-G is expressed on fetal derived placental cells. 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 domain, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exon 6 encodes the cytoplasmic tail.

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