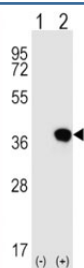


## HLA-G Antibody (F51441)

Catalog No.	Formulation	Size
F51441-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51441-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

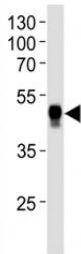
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	P17693
<b>Applications</b>	Western Blot : 1:1000 IHC (Paraffin) : 1:10-1:50 Flow Cytometry : 1:10-1:50
<b>Limitations</b>	This HLA-G antibody is available for research use only.



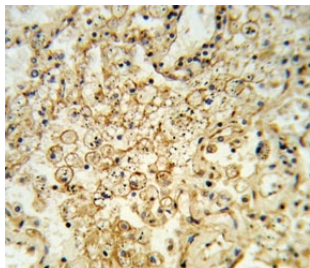
Western blot analysis of HLA-G antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected (2) with the HLA-G gene.



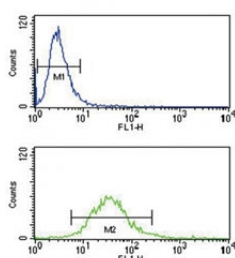
Western blot analysis of HLA-G antibody and NCI-H460 lysate. Predicted molecular weight ~40 kDa.



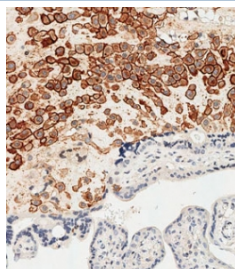
Western blot analysis of lysate from human placenta tissue lysate using HLA-G antibody diluted at 1:1000.



IHC analysis of FFPE human lung carcinoma stained with HLA-G antibody



HLA-G antibody flow cytometry analysis of NCI-H460 cells (bottom histogram) compared to a [negative control](http://search_result.php?search_txt=n1001) (top histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



IHC analysis of FFPE human placenta stained with HLA-G antibody. HIER: boil tissue sections in pH 9 EDTA buffer for 20 min and allow to cool before testing.

## Description

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.

## Application Notes

Titration of the HLA-G antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 62-89 from the human protein was used as the immunogen for this HLA-G antibody.

## Storage

Aliquot the HLA-G antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

